

Bhavyatta Bhardwaj

Education

University of New Brunswick, New Brunswick, Canada

M.Sc. in Computer Science

2017

Relevant Coursework *Artificial Intelligence, Machine Learning & Data Mining, Advanced Data Communication & Networking, Database Foundations, Software Evolution and Maintenance, Software Quality & Project Management, Business Data Analysis, Wireless Network & Mobile Communications*

Relevant Projects

- *Empirical Review of Domain and Information Models for IoT*
- *AI and Data Mining Algorithms for Classification*

Uttar Pradesh Technical University, India

B.Tech. in Information Technology

2014

Relevant Coursework *Artificial Intelligence, Computer Network, Design and Analysis of Algorithms, Information Security and Cyber Laws, Cryptography & Network Security, Software Project Management, Microeconomics, Graph Theory, Soft Computing, Data Structures, Database Management Systems*

Relevant Projects

- *E-Interactive virtual classroom systems (Capstone Project)*
- *Implementation of TCP/IP Model with DES Algorithm using C++*
- *Leave Management System Automation (Co-op Project)*

University Experience

University of New Brunswick, New Brunswick, Canada

Teaching Assistant for Mathematics 101

Sep 2016 to Dec 2016

- Delivered lectures, conducted labs and quizzes, proctored exams, and graded papers

Co-op: Dept of Energy and Resource Development

Apr 2016 to Aug 2016

- Development and coordination of the departmental intranet
- Developed roadmap for assessing mining sites utilizing drone technology

Co-op: Department of Justice

Jan 2016 to Apr 2016

- Assessments for Court Case Management Systems and processes to automate and digitize record management and improved the case filing process by assisting with migration to SharePoint Online

Peer Mentor

Aug 2015 to Oct 2015

- Support new students by getting them culturally acclimated and volunteer to facilitate orientation events and discussions
- Coordinate prospective students' inquiries about Computer Science faculty at UNB, campus services, housing and logistics

Research Assistant

Jan 2015 to Mar 2015

- Study the possible use of RuleML in ACTUS Project with Dr. Harold Boley

Uttar Pradesh Technical University, India

Research Assistant

Aug 2012 to June 2014

- Contributed to empirical study and research of Neural Networks and cyber security trends with Dr. Mahamaya Mohanty

Internship: Elixir CT

June 2013 to July 2013

- Analyzed and performed testing on the Leave Management System offline setup to automate the workflow of applications and approvals and validate correct payout to their vendors, while automating the various logics for different weekly and monthly schemes for the client.

Internship: Indian Oil Corporation

July 2012 to Aug 2012

- Track and managing the client transactions using Cisco technologies to keep the systems connected and to track any transmissions.

Papers

CONFERENCE

- Bhavyatta Bhardwaj**, “Agile to DevSecOps: One Mindset at a Time” – DevOps Summit Canada 2021
- Bhavyatta Bhardwaj**, “Project Management: Changing the Way Cybersecurity Works in an Organization” – 13th Annual UT Dallas Project Management Symposium, Richardson, Texas, USA in May 2019; published in the PM World Journal, Vol. VIII, Issue IX, October 2019.
- Mahamaya Mohanty, **Bhavyatta Bhardwaj**, Surbhi Agarwal, “Fuzzy Inference Based Text Secured Graphical User Interface Using RSA Algorithm” – 4th IEEE International Advanced Computing Conference, 2014 at Institute of Management and Technology, India

JOURNAL

- Bhavyatta Bhardwaj**, “Project Management: Changing the Way Cybersecurity Works in an Organization” PM World Journal, Vol. VIII, Issue IX, October 2019.
- Mahamaya Mohanty, Saurabh Gupta, **Bhavyatta Bhardwaj**, “Neural Networks as a Novel Tool for Character Recognition” – IJREAS 2012, ISSN: 2249-3905
- Mahamaya Mohanty, **Bhavyatta Bhardwaj**, Surbhi Agarwal, “A Novel Approach of E- Interactive Classrooms” – IJREAS 2012, ISSN: 2249-3905
- Mahamaya Mohanty, Surbhi Agarwal, **Bhavyatta Bhardwaj**, “A Reflexive Architecture for Object Oriented Software Testing” – IJREAS 2012, ISSN: 2249-3905

Unpublished/Independent Research

- Bhavyatta Bhardwaj**, “A CoE Governance Approach in a hyped AI era”, 2023
- Bhavyatta Bhardwaj**, “Review of DDoS attacks during CoViD and the impact on Threat Landscape”, 2021
- Mahamaya Mohanty, **Bhavyatta Bhardwaj**, Vaibhav Mathur, Surbhi Agarwal, Sasmita Pani, “A Survey of Testability for Creating Secured Smart Graphical User Interface by Icon Partitioning”, 2013

Professional Experience

Microsoft

Oct 2022 – Present

Technical (Customer Success) Account Manager | Technology Strategy Advisor

- Establishing a strategy for Optimized Security Operations Center for GoC while leading its proof of concept with Health Canada, National Molecular Lab and Public Health Agency of Canada, to be verified and implemented across other federal departments.
- Proactively develop and maintain key customer business and IT partner relationships at Canadian Federal Departments and Agencies, to understand their business objectives and priorities, developing their three horizon's journeys as their trusted advisor.
- Design and maintain the aligned departmental technical strategy to ensure timely and proactive guidance based on the customer priority and support the adoption of Microsoft products and services.
- Lead efficient service delivery by providing portfolio oversight while aligning the customer objectives and support contract to support for managing any technical debt and adoption of a mature security posture by enabling cloud adoption and optimized service delivery.
- Proficiently advocate for security practices by focusing on the security objectives and manage the scope of Microsoft's support of MDE and Sentinel implementation and consumption to align business with technology while maintaining a resource plan and schedule for a smooth solution delivery and program governance.

Bell Canada, Ottawa, ON

Oct 2021 – Oct 2022

Sr. Cybersecurity Specialist | Portfolio Strategy | PAM, IAM and Risk Prioritization

- Successfully delivered Network Security projects and initiatives, while delivering targets, milestones and program status reports to leadership aligning with strategic initiatives, and fostered and managed a collaborative team of successfully delivering of milestones on time , while maintaining a diverse and improvement driven team culture.
- Initiated Network Risk Prioritization Program for architectural risk articulation and remediation plans and thoroughly monitored IAM security control compliance and AD enrichment for crown jewels while effectively overseeing PAM security control readiness for 5G Launch.
- Collaborated with multiple teams to develop and implement Thycotic Solution for Privileged Access to Crown Jewel Assets and Applications for 5G Network at Bell Canada as well as Network Segmentation Audit for 3G/4G devices.
- Developed, modified and executed the project governance while managing front door requests and scope creep, and provided consistent project/program status and progress against objectives at different levels of Management.
- Collaborated with leadership to create, coordinate and manage the strategy for improvement of network security and coordinated assessments of the business change requirements, identify risks and created mitigation plans to enable Business Units to adopt change and accelerate growth.

Bank of Canada, Ottawa, ON

Oct 2019 – Mar 2021

Program Manager, Vulnerability Management and Remedial Provision

- Instituted an end-to-end Vulnerability Management Program to identify vulnerabilities and manage risk due to gaps in the technology ecosystem of the National Bank, while managing a team of

- Created and maintained the process to identify, plan, track and control change and risk to comply with the Bank's Cyber Security Strategy, while supervising deliverables from IT Operations and Cyber Assurance Teams.
- Strategized and operationalized the remediation and prioritization process for PenTest, Scanning, IT Audit, VA/RAF, Threat Model and public disclosure findings, while designing the process for third-party application vulnerability remediation process and supporting internal audits.
- Effectively evaluated security solutions such as Splunk, Sentinel, Tanium, MDE, etc. to align with the evolving threat landscape, thereby enhancing the Bank's capabilities to successfully measure and manage cyber risks.
- Facilitated war rooms to coordinate rapid responses to real-time cyber incidents and led red team exercises.

New Brunswick Power, Fredericton, NB

Oct 2018 – Mar 2019

Project Manager, O365 Deployment and Governance

- Led O365 deployment in collaboration with Microsoft Service Provider, establishing and maintaining the project lifecycle, financial reports, communication plan and project artifacts, assisting with documenting Day-2 operations.
- Collaborated with client leadership team to prioritize project activities, resource availability, and escalation of issues and risks with KPI Dashboards to reduce error backlog and turnaround times.
- Formalized the Cloud Governance Strategy congruent with North American Electric Reliability Corporation - Critical Infrastructure Protection (NERC CIP), ISO 27000 standards, and corporate compliance requirements to ensure accountability of data, Service Level Agreements (SLA) and process ownership.

Government of New Brunswick Fredericton, NB

Aug 2016 – Oct 2018

Web Developer and Project Manager, Multiple Internal Projects

- Completed and managed end-to-end development of custom GIS applications for New Brunswick's Crown Land marine aquaculture sites, Agricultural Land suitability sites and Bedrock Geology while leading user training programs, developing training materials, and providing ongoing support for geomatics applications.
- Created and assisted with the design, development and support of departmental intranet and public facing website.
- Created and maintained a strategic roadmap for mining site assessments utilizing drone technology while providing quarterly GIS data analysis and financial reports, reducing departmental expenses by 24% through sSDLC process improvements.

Skills/Interests

Spoken Languages

English (Fluent), Hindi (Native)

Programming Languages

Intermediate: C/C++, Python
Fundamental: PowerShell

Microsoft Applied Skills

- Built an Azure AI Vision solution
- Configured SIEM security operations using Microsoft Sentinel
- Created an intelligent document processing solution with Azure AI Document Intelligence

Technical Management Skills	Business and Cyber Strategy, Data Analysis and Visualization, Problem Solving, Critical and Analytical Thinking, Leadership
Microsoft Fundamentals	AI 900: Azure AI - V641E4-534218 AZ 900: Azure - C12044-5PB795 SC 900: Security, Compliance, and Identity - 941000-E5D9R4

Volunteer and Extracurricular Experience

Volunteer Experience	Shepards of Good Hope, Ottawa Food Bank, Swechha India, email and Facebook training at Retirement Residence, dog walking
Personal Projects	<ul style="list-style-type: none">• Cyber Savvy Seniors – curriculum and outreach to bridge the skilling gap between innovation• Wings of Steel – A prose composition novella
Personal Interests	Reading, Sports, Fitness, Writing, Puzzles