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EDUCATION

University of New Brunswick, Computer Science *Fredericton, New Brunswick*
Master's Degree *May 2025*

- CGPA: 4.1/4.3 (95.4%) | Top 5% of the class
- Coursework: Focused on advanced software development, cybersecurity, and management courses, such as Artificial Intelligence, Machine Learning, Big Data, Advanced Software Development, Network security, Quality Management, Data Analysis. Equipped with a strong understanding of technical and strategic computing aspects

Jawaharlal Nehru Technological University Anantapur, Computer Science and Systems Engineering *India*
Bachelor's Degree *May 2020*

- CGPA: 8.26/10.0 (83.2%) | First Class with Distinction
- Coursework: Built a solid foundation in software engineering, algorithms, and system architecture, with hands-on experience in developing scalable and efficient software solutions.

EXPERIENCE

Infosys *Hyderabad, India*
Digital Specialist Engineer (Latest) *September 2020 – August 2023*

- Developed and optimized full-stack applications for warehouse and CPQ systems using **.NET Core**, **Angular**, **MS SQL Server**, and **Azure**, improving performance by 25% and reducing configuration errors by 40%. Led independent development and daily Agile interactions with onshore stakeholders.
- Created secure **Flask**-based APIs for an AI-driven telecom infrastructure project for a government orgnization, integrating **PostgreSQL** for geospatial data and **MS SQL Server** for user authentication. Boosted API performance and enabled automated route planning with React integration.
- Researched and supported enterprise data migration from **Google Workspace** to **Microsoft 365**, gaining hands-on skills in **Node.js**. Monitored Azure usage dashboards for over 10,000+ concurrent users and ensured seamless access management.

Medhassu E Solutions (India) Pvt Ltd. *Bengaluru, India*
Full Stack Developer – Intern *December 2019 – April 2020*

- Contributed to the development of web applications using **Spring** (backend) and **React** (frontend), working on user interface design and assisting with server and database integration.
- Gained hands-on experience in full-stack development and insights into software development workflows, IT team collaboration, and agile practices.

Chegg India *Remote, India*
Online Tutor – Computer Science *November 2019 – November 2022*

- Assisted students globally in understanding core Computer Science subjects including **Data Structures and Algorithms (DSA)**, **Operating Systems**, **Computer Networks**, and **DBMS**.
- Explained complex concepts through clear problem-solving strategies, improving students' academic performance and conceptual clarity.
- Developed strong communication and teaching skills by delivering personalized solutions in a fast-paced, deadline-driven environment.

SKILLS

- **Programming Languages:** Java, Python, C++, JavaScript, TypeScript, SQL
- **Web Frameworks:** .NET Core, Flask, Spring, Angular, React
- **Database Technologies:** Microsoft SQL Server, PostgreSQL, MySQL
- **Tools Platforms:** Docker, Git, Azure, IIS, Node.js
- **Software Practices:** REST APIs, MVC Architecture, Agile Methodology, CI/CD

ACHIEVEMENTS

- Published 2 research papers on NLP and Deep Learning: *Classification of Mobile Adware Variants Using Machine Learning Techniques*, *Emotion Detection in Poetry using Transformer-based Models*
- Microsoft Certified: Azure Fundamentals (AZ-900), Azure AI Fundamentals (AI-900)
- IBM Certified: *IBM Quantum Consultations* – Completed as part of the inaugural batch (2020)
- Harvard ManageMentor: *Customer Focus*, *Innovation and Creativity*
- Completed AWS Training & Certification courses: *AWS Cloud Foundations*, *Machine Learning on AWS*, *Data Analytics on AWS*, and *Tailored Learning Plan*
- Atlassian Certified: *Jira Fundamentals Badge*

PROJECTS

Poem Emotion Prediction (NLP, Transformers)
Technologies: Python, Transformers (BERT, DeBERTa), Scikit-learn, Matplotlib
Built and fine-tuned multi-class emotion classification models for poetry using transformer-based architectures. Achieved over 80% accuracy and documented experiments in IEEE format with detailed evaluations and visualizations.
Research Paper: *Emotion Detection in Poetry using Transformer-based Models* (Submitted, 2025)

Flask-Based Notes Application
Technologies: Flask, Tailwind CSS, HTML, JavaScript
Designed a web-based note-taking application with RESTful APIs and real-time search filtering. Implemented modal-based UI for viewing and editing notes efficiently.

Correctional Services Management System
Technologies: UML, System Design, Stakeholder Analysis
Modeled an information system for correctional institutions, capturing user requirements for officers, administrators, and policy makers. Delivered stakeholder diagrams and high-level system workflows.

Classification of Mobile Adware Variants Using Machine Learning Techniques
Technologies: Python, XGBoost, Random Forest, Logistic Regression, Flask, HTML, CSS
Built and evaluated ML models on the CIC-AndMal2017 dataset for adware classification, achieving up to 99% accuracy with XGBoost. Developed a web interface and backend APIs using **Flask**, allowing users to input data and receive predictions on whether the sample is an adware variant.
Research Paper: *Classification of Mobile Adware Variants Using Machine Learning Techniques* (2024)

Available to join immediately