Naveen Rayapudi

Montreal, QC | **rayapudinaveen777@gmail.com** | 263-770-7770 | **GitHub** | **LinkedIn**

Software Developer with experience in building internal and customer-facing applications using Java, JavaScript, SQL, and modern web technologies. Strong foundation in full-stack development, RESTful APIs, Agile workflows, and cloud-based deployments. Experienced in writing, testing, and deploying code, supporting data-driven workflows, and collaborating within cross-functional teams. Motivated to contribute to internal systems, automation, and continuous improvement in a manufacturing-focused environment.

EXPERIENCE

Software Developer Intern, Andhra Pradesh State Skill Development Corporation, India   **Jan 23 - Jun 23**

- Built and maintained internal and customer-facing web components using **HTML, CSS, and JavaScript**.
- Analyzed requirements and implemented features aligned with stakeholder needs and delivery timelines.
- Wrote and **tested RESTful APIs** to support front-end systems and internal workflows.
- Performed unit and integration testing to ensure reliability and defect-free releases.
- Participated in **Agile ceremonies (sprint planning, stand-ups, reviews)** and tracked tasks in team workflows.
- Supported continuous improvement by identifying opportunities to enhance code quality and system performance.

AWS Cloud Intern, All India Council for Technical Education, India   **Oct 21 - Dec 21**

- Deployed and **supported cloud-based applications using AWS (EC2, S3, Lambda),** reinforcing scalable system design.
- Built a sample **full-stack application** demonstrating **cost-optimized architecture and automation.**
- Configured access policies and monitored systems using **CloudWatch** to support troubleshooting and reliability.

EDUCATION

Master of Applied Computer Science, Computer Science, **Concordia University,** Montreal, Quebec, Canada   **Dec 2025**
Bachelor of Technology, Computer Science Engineering, **Laki Reddy Bali Reddy College of Engineering, Vijayawada**, India   **June 2023**

PROJECTS

Today I Learned Application | HTML | CSS | Java Script | React Js | SupaBase | Netlify | GitHub | LiveApp

- Developed a **full-stack web application** enabling users to post daily facts and react using a three-state voting system (interesting, mind-blowing, false).
- Built and tested backend services using **REST-style APIs** and version-controlled CI workflows.
- Integrated **Supabase for authentication** and data persistence, supporting real-time updates and deployed the application using Netlify.

Machine-Generated Text Detection | Python, PyTorch, NLP, NLTK, Machine Learning | GitHub

- Designed and evaluated using models (Uni-LSTM, Bi-LSTM) to distinguish machine-generated text from human-written text.
- Preprocessed and trained models on **a 610K+ sample dataset**, achieving **70.18% accuracy (Uni-LSTM) and 70.11% accuracy (Bi-LSTM) with comparative loss analysis**.
- Conducted model evaluation and error analysis to assess generalization challenges.

Warzone Command-Line Strategy Game | Java, OOP, Design Patterns, Maven, JUnit | GitHub

- Collaborated with a team of 6 to develop **a Java-based command-line strategy** game supporting single-player and tournament modes.
- Designed and **implemented 4+ core game components** using object-oriented principles and design patterns including State, Strategy, and Observer.
- Developed and **executed 25+ unit tests using JUnit**, achieving **over 85% code coverage** and improving build reliability via Maven.

Distributed Health Care Management System | Java, SOAP, UDP, Distributed Systems | GitHub

- Designed and implemented a distributed health care system with three independent servers (MTL, QUE, SHE) **communicating via SOAP-based web services** and built thread-safe scheduling logic using nested **Concurrent HashMap structures** to handle concurrent patient updates.
- Implemented **UDP-based inter-server communication** to ensure data consistency across regions.

SKILLS

Programming Languages & APIs: Java, Python, JavaScript, SQL, REST APIs
Web Technologies: React, HTML, CSS, Bootstrap
Data & Machine Learning: Pandas, NumPy, Matplotlib, NLTK
Database and Reporting: Power BI, MySQL
Tools & Methodologies: Agile Git, AWS, Visual Studio, IntelliJ IDEA, Eclipse, Jira, Postman, JQuery