VAMSIDHAR REDDY

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LinkedIn | GitHub

Objective

Enthusiastic Computer Science and Engineering student seeking a Software Engineer role at Google. Eager to apply skills in Java, distributed systems, and machine learning to develop scalable solutions and contribute to innovative projects. Experienced in developing applications in Unix/Linux environments and passionate about solving complex challenges in information retrieval and large-scale system design.

Education

Kalasalingam Academy of Research and Education	**2022 − 2026**
B.Tech in Computer Science and Engineering (CGPA: 8.15)	*Srivilliputhur, Madurai*
Narayana Junior College	**2020 − 2022**
HSC (CGPA: 8.22)	*Anantapur*
Yasoda Concept School	**2019 − 2020**
SSC (CGPA: 7.40)	*Dharmavaram*

Projects

Service Hub *ReactJS, NodeJS, MySQL*

− Developed a scalable full-stack service booking platform supporting real-time updates for 1000+ users, worker management, and user bookings.
− Designed and implemented RESTful API with Node.js and MySQL, improving booking efficiency by 20%.
− Built responsive frontend in React with a focus on cross-device compatibility.

ATM Simulation *Java (VS Code)*

− Simulated core ATM operations (withdrawal, deposit, PIN changes) using Java and Object-Oriented Programming principles.
− Implemented secure transaction flow with robust error handling and a user-friendly console-based UI.

Rice Leaf Disease Prediction *Python, Machine Learning*

− Developed a Machine Learning model for rice leaf disease prediction using algorithms like Random Forest and CNNs to classify diseases based on leaf image data.
− Optimized model performance by preprocessing datasets, applying feature extraction, and evaluating results using accuracy, precision, and recall metrics.

Technical Skills

Languages: Java, Python, JavaScript, C

Frontend ,Backend: React.js, HTML5, CSS3, Node.js, Express.js, Spring Boot,Spring

Databases: MySQL, MongoDB

Tools: Git, VS Code, IntelliJ IDEA, Eclipse, PyCharm

Concepts: Data Structures, TCP/IP, Linux/Unix, DBMS, OOP, Distributed Systems, Information Retrieval

Certifications

Java Programming Certification - Great Learning

Extracurricular

Winner in college-level football tournament

NSS Member (2022–2023)