Kishore Babu U

Software Engineer

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Vellore, Tamil Nadu, India

Profile

Final-year Integrated M.Tech Software Engineering student at Vellore Institute of Technology (VIT) with strong foundations in software development, data structures, and full-stack engineering. Currently a Software Engineer Intern at PowerSchool, contributing to enterprise-scale data platforms, analytics tools, and automation workflows.

Experience

PowerSchool   Bengaluru, Karnataka
Software Engineer Intern   July 2025 – Present

- Designing and developing internal analytics applications using **Snowflake** and **Streamlit**, including **multi-page Streamlit applications**, to support business and operational insights.
- Implemented a **Document Search/Intelligence** solution with automated Snowflake deployment and **AWS S3/SFTP**-based ingestion.
- Automated **QEM**-based replication task and table operations at scale by enhancing internal APIs, with robust logging for execution tracking and error monitoring.
- Contributed to team tickets by upgrading **Python versions**, maintaining **Docker images**, and testing end-to-end application functionalities.

Education

Vellore Institute of Technology (VIT)   **Jan 2021 – Jun 2026**
M.Tech (Integrated) in Software Engineering   **CGPA: 8.64**

King's Matriculation Higher Secondary School, Kasam, Tamil Nadu.
Class XII: **88.07%** | Class X: **81.4%**

Skills

Programming:	Python, Java, SQL, JavaScript
Web Technologies:	HTML, CSS, MERN Stack
Tools:	GitHub, GitLab, Streamlit, Snowflake
Core Concepts:	Data Structures and Algorithms, DBMS, Operating Systems, APIs
Soft Skills:	Problem Solving, Communication, Team Collaboration

Projects

Smart ATS (Python, Streamlit, Google Gemini API, PyPDF2)

- Built an AI-powered Applicant Tracking System (ATS) that evaluates resumes against job descriptions, providing match percentages, missing keywords, and professional feedback Gemini API.

Food Ordering Application (MERN Stack)

- Developed a full-stack food ordering platform with restaurant prioritization based on ratings.
- Implemented role-based access for users and admins using MongoDB and REST APIs.

IoT-Based Wet Floor Detection System (C++)

- Designed a real-time accident prevention system using Arduino and ESP32.
- Integrated water sensors and MQTT for instant alert notifications.

Waste Classification System (Python)

- Built a CNN-based image classification system for automated waste segregation.

Certifications

- MERN Full Stack Development – SmartInternz
- Java Programming: Solving Problems with Software – Coursera
- Hands-On Essentials: Data Warehousing, Data Application Builders, Marketplace & Cost Estimation Workshops

Languages

English (Full Professional) | Tamil (Native) | Telugu (Professional)