

Vrithika K M

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CAREER OBJECTIVE

A highly motivated Computer Science Engineering student seeking an opportunity in a reputed organization to apply my technical knowledge and problem-solving skills in a challenging environment, contributing to organizational success and mutual growth.

EDUCATION

B.Tech in Computer Science and Engineering Aug 2023 – (Jul 2027)
Amrita School of Computing, CGPA : 7.94/10 (up to 6th Semester) Coimbatore, Tamil Nadu

AISSCE (12th) 2021-2023
Adithya International School, Marks : 423/500 Idikarai, Tamil Nadu

PROJECTS

AgriSahayak – Smart Agricultural Trading Platform | MERN Dec 2025 - Mar 2026

- Built a scalable digital marketplace reducing dependency on intermediaries by enabling direct farmer-to-buyer transactions.
- Developed real-time bidding and negotiation features.
- Integrated data-driven decision support for price trends and market insights.
- Deployed and monitored the system using modern DevOps practices.

Peerly – Intra College Community Platform | Springboot, React Native, PostgreSQL Mar 2026 - May 2026

- Developed a mobile-first platform enabling students to host challenges, submit entries, and vote in real-time, improving campus engagement.
- Implemented WebSocket-based live vote broadcasting using Spring STOMP, enabling real-time vote count updates across all connected clients.
- Integrated Cloudinary for multi-format media submissions (image, audio, text).

Airline Sentiment Analysis | Python, Pandas, NLP Dec 2025 - Feb 2026

- Developed a Python-based airline analytics system integrating survey data and customer reviews for comprehensive passenger analysis.
- Applied machine learning and NLP techniques to perform sentiment classification and customer segmentation, identifying key trends in passenger preferences.
- Generated actionable insights through data analysis and visualization, enabling data-driven decision-making to enhance customer experience.

TECHNICAL SKILLS

Programming Languages: Python, Java

Databases: MySQL

Frameworks and Libraries: Spring Boot, Numpy, Pandas, Scikit-learn

Cryptography

AREAS OF INTEREST

- Machine Learning
- Data Structures and Algorithms