Vamsi Kumar Allam

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ABOUT

An enthusiastic, passionate, and capable individual who values teamwork and clear communication. Driven by a strong passion for web development, I am committed to continuous growth and learning. Eager to apply my skills and contribute to a dynamic, collaborative, and innovative software development environment.

WORK EXPERIENCE

Cognizant Technology Solutions - IoT Product Engineering Intern   Jan 2025 - Apr 2025

Gained hands-on experience in IoT product engineering, Product Lifecycle Management (PLM), and full-stack development. Learned to build scalable web applications and understood how IoT systems interact with software platforms. Worked on real-world client scenarios, developed APIs, managed databases, and built user interfaces using modern web technologies, while collaborating in Agile teams.

APSSDC - Data Analysis Intern (Google Search Trends Project)   May 2023 - Jul 2023

Implemented API calls to fetch live data from google Trends and analyzed the data sets using pandas. Made reports of finding popularity of search terms based on region and time and analyzed them for fetching better results

PROJECTS

ATM Monitoring System - Full Stack Developer

Developed a real-time monitoring system for ATMs that tracks temperature and cash flow. When either metric exceeds a defined threshold, the system sends alerts to admins and technicians. Technicians can modify ATM settings, while admins can only view alerts. This system helps ensure the smooth operation and maintenance of ATMs.

Image And Text Encryption Application - Flutter, Dart

Developed a secure image encryption app using Flutter and Firebase, enabling password-based encryption/decryption with AES-256 and salt-based key derivation. Included features like user-authenticated cloud storage, offline processing, and metadata handling. Designed a responsive UI with clean separation between logic and presentation layers.

Google Search Trend Analysis - Python

Developed a comprehensive data analysis tool for analyzing Google search trends across multiple keywords and regions. Built using Python with PyTrends API for data retrieval, Pandas for data manipulation, and Matplotlib for visualization. Features include regional interest comparison, time-based trend analysis, correlation calculations, and dynamic chart generation (bar charts, pie charts, time series). Implemented robust API rate limiting with exponential backoff retry logic and error handling to ensure reliable data collection.

Alumni Database Management System - Java, MySQL

Built a desktop application using Java Swing and MySQL to manage alumni records with full CRUD operations. Features include tabbed navigation, search functionality, and secure database interactions using prepared statements. Enhanced user experience through intuitive GUI design and robust error handling, replacing traditional console-based workflows.

Personal Portfolio Website – React, Material UI

Designed and developed a responsive, dark-themed portfolio website using React and Material UI. Showcased skills and projects with interactive modals, a visual skill rating system, and smooth scrolling. Integrated Framer Motion for animations, React Router for seamless navigation, and deployed to Vercel with CI/CD for automated updates.

Multi-Function Calculator Application - React, Material UI

Built a responsive multi-function calculator using React and Material UI, supporting both standard and scientific modes. Included features like memory functions, history tracking with localStorage, and keyboard support. Designed a clean, user-friendly interface with modular components and responsive layout for all devices.

EDUCATION

2021 - 2025	Bachelor of Technology at SRM University, AP - **7.98** CGPA
2018 - 2020	Class 12th[MPC] at Sasi Junior College - **9.34** CGPA
2017 - 2018	Class 10th at Sasi English Medium School - **9.8** CGPA

SKILLS

Technical Skills	Java, MySql, React, Spring Boot, Azure IoT, Git, GitHub, Flutter.
Soft Skills	Problem Solving, Clear Communication, Leadership, Effective Collabortor

HOBBIES

Stock Market Trading, Playing Outdoor Games