VIJAY MANE

Computer Science and Engineering Student
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EDUCATION

VIT Bhopal University, Madhya Pradesh |
B.Tech in Computer Science and Engineering (Cloud Computing and Automation)
Expected 2026
- Cumulative GPA: 8.91

PROJECTS

Serenade Music Player | *FOSS Hack 2025 Winner*   Jan 2025 – Apr 2025
- Awarded Second Highest Cash Prize at FOSS Hack 2025 among 500+ teams.
- Architected and developed Serenade, a cross-platform open-source music player using Electron, React, and SpotDL integration.
- Implemented seamless music download support, last-played memory, dynamic audio visualizations with Web Audio API.
- Led frontend module and coordinated cross-functional integration with backend services.

Intelligent PDF-based Chat Assistant | *OpenAI, AWS, TypeScript*   Jan 2024
- Developed a smart document assistant capable of parsing and answering queries from complex PDFs.
- Integrated OpenAI's language model to facilitate contextual understanding of user queries.
- Backend supported using Node.js, NeonDB for relational storage, and PineconeDB for vector embeddings.
- Used AWS S3 for secure storage of sensitive PDF files, maintaining access control and integrity.

Blood Bank Management System | *AWS, PHP, MySQL*   Aug 2023 – Dec 2023
- Designed and deployed a secure and scalable blood bank system supporting 10,000+ transactions daily.
- Implemented session management, authentication, and role-based access control.
- Built intuitive dashboards for real-time stock tracking and donation management.
- Managed project deployment on AWS Windows Server, optimized for concurrent access.

SKILLS

Languages: C++, Java, Python, TypeScript, HTML, CSS, JavaScript
Frameworks/Tools: React, Tailwind CSS, Node.js, Electron, Git, XAMPP, OpenAI API
Cloud: AWS (EC2, S3), GCP, Azure, VirtualBox, VMWare
Databases: MySQL, NeonDB, PineconeDB
Systems: Debian, Ubuntu, Windows
Soft Skills: Teamwork, Problem Solving, Agile, Technical Writing

CERTIFICATIONS & ACHIEVEMENTS

- HTML, CSS, and JavaScript for Web Developers – Coursera (2023)
- Second Highest Cash Prize – FOSS Hack 2025 for Serenade Project