Vijay Vinod Mane

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Education

Vellore Institute of Technology

B.Tech in Computer Science (Cloud Computing & Automation)   *Exp. 2026*

- **CGPA: 8.95**
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Cloud Computing, Software Engineering, OOP, Machine Learning, Web Development.

Technical Skills

Languages	:	C#, Java, Python, C++, TypeScript, SQL, HTML/CSS, Golang, R
Frameworks/Tools	:	ASP.NET Core, React, Node.js, PowerBI, Git, Terraform, S4/HANA
Cloud/Infra	:	AWS (EC2, S3), Azure, SAP Integration, Docker, VMWare, Kubernetes
Databases/OS	:	MySQL, MariaDB, DyanmoDB, NeonDB, Hadoop, WSL, Linux (Debian, Ubuntu)

Key Projects

Serenade Music Player   *Electron, React, .NET Core*   **FOSS Hack 2025 Winner**

- Awarded Second Highest Cash Prize at FOSS Hack 2025 among 500+ teams.
- Architected a cross-platform player using **Electron** for UI and **C# .NET Core** for high-performance audio processing.
- Implemented seamless media retrieval algorithms and dynamic audio visualizations using Web Audio API.
- Led frontend module and coordinated integration between the React UI and local .NET backend services.

Scalable Analytics & Reporting Platform   *Hadoop, SAP, PowerBI*   May 2024 – Aug 2024

- Engineered a data pipeline to ingest streaming data and process bulk records from SAP ERP systems.
- Utilized Hadoop for distributed storage of large datasets and Terraform for AWS infrastructure provisioning.
- Developed interactive dashboards with PowerBI using DAX to visualize business intelligence metrics.
- Optimized data refresh intervals to ensure real-time reporting availability for stakeholders.

Intelligent PDF-Based Chat Assistant   *OpenAI, AWS, TypeScript*   Jan 2024

- Developed a smart document assistant capable of parsing and answering queries from complex technical 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.
- Utilized AWS S3 for secure storage of sensitive files, ensuring robust access control and integrity.

Achievements & Certifications

- **Second Highest Cash Prize** – FOSS Hack 2025 for Serenade Project

- **AWS Solutions Architect** – Certified by Ethnus (2025)

- **MERN Foundations** – Certified by Ethnus (2025)

- **Soft Skills:** Cross-functional Team Leadership, Problem Solving, Agile, Technical Writing