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EDUCATION

Vellore Institute of Technology

Vellore, IN

B.Tech Computer Science and Engineering with Specialization in Bioinformatics

Aug 2021 – Jun 2026

- **Relevant Coursework:** Data Structures & Algorithms, Database Systems (SQL), Big Data Analytics, Machine Learning, Statistics, Bioinformatics

WORK EXPERIENCE

DICATHEN

Ambur, IN

Founder & Full-Stack Developer

Mar 2026 – Present

- Founded a product studio; independently designed, built, and deployed 3 production-ready web applications end-to-end.
- Architected multi-tenant marketplace (Ambur) with dynamic subdomain routing, WhatsApp-integrated order flow, and a SaaS subscription model.
- Built AI-powered finance tracker (Flux) integrating Google Gemini for automated receipt scanning and intelligent transaction categorization.
- Developed college management system (EduSync CMS) with role-based access control for 3 user roles, attendance tracking, and grade reporting.

Farida Group

Ambur, IN

Software Developer Intern (AI & Analytics)

Dec 2025 – Jan 2026

- Designed a Gen-AI data pipeline (RAG Architecture) transforming unstructured natural-language queries into actionable SQL commands over manufacturing databases.
- Built Production Intelligence modules aggregating raw manufacturing data, applying transformation logic to identify bottlenecks across order tracking workflows.
- Optimized MySQL queries powering real-time reporting dashboards, reducing query latency for stakeholder-facing analytics.

PROJECTS

Flux — AI-Powered Personal Finance Tracker [Live]

- Built a full-stack SaaS platform with AI receipt scanning (Google Gemini), multi-account net worth tracking, and recurring transaction management.
- Engineered secure data layer using Prisma ORM and PostgreSQL with role-based authentication; deployed on Vercel with CI/CD.

Gene Co-Expression Network — Bioinformatics Pipeline [Live Dashboard]

- Built WGCNA-style co-expression network analyzing 187 genes across 108 samples from GEO transcriptomic datasets for Duchenne Muscular Dystrophy research.
- Identified 5 hub genes (SPP1, COL1A1, TYROBP, C3, POSTN) across 20 network modules; deployed interactive Streamlit dashboard for exploration.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, Java, C++

Web & Frameworks: Next.js, React.js, Node.js, Flask, REST APIs, Tailwind CSS, HTML/CSS

AI / ML / NLP: TensorFlow, Keras, Scikit-learn, spaCy, Google Gemini (Gen-AI), RAG Architecture, LSTM, YOLO, WGCNA

Data & Databases: PostgreSQL, MySQL, MongoDB, Prisma ORM, Pandas, NumPy, Streamlit, PySpark

Cloud & DevOps: Vercel, Docker, Git, GitHub Actions (CI/CD), Microsoft Fabric, Databricks

CERTIFICATIONS

- **Microsoft Certified: Fabric Data Engineer Associate:** Microsoft
- **Neural Networks & Deep Learning:** Coursera (deeplearning.ai)
- **Applied Machine Learning in Python:** Coursera (University of Michigan)