

Pramod Somesh

Vizag | someshkolluru723@gmail.com | Ph: 9989880984 | portfolio | linkedin | github

SUMMARY

I have experience building end-to-end, data-driven applications from backend APIs to deployment, working with MySQL and MongoDB to design scalable schemas and optimize analytics and reporting queries, with experience in \textbf{Agentic AI systems using crewAI} and strong Data Structures and Algorithms fundamentals enabling efficient, reliable, performance-oriented code.

EXPERIENCE

AI/ML Engineer, *BigDataMatica – Vizag* Nov 2025 – Jan 2026

- Designed a **3-layer location detection architecture** for a Tata Group–defined use case, which was presented directly to the Tata Group and **won a national-level startup competition across India**.
- Built and presented **client-facing applications** for projects such as **Tata Motors** lead-generation and dynamic pricing application and **Hirawats** stock management agentic dashboard.

Full Stack Developer, *Arista Vault – New Delhi* Aug 2024 – May 2025

- Designed visually appealing and user-friendly **landing pages** which improved customer engagement and **increased conversion rates** by approximately **10%**.
- Integrated a chatbot** into the website using the **Botpress API**, enabling automated customer interactions and **improving response time** for user queries by approximately **35%**.

PROJECTS

ERP solution for educational institutions AEVAM

- Engineered a multi-layered solution** to track academic performance, fee management, transport details and staff management, with distinct admin and parent logins for secure access control.
- Designed and optimized **SQL data models (14+ entities)** and implemented modular, API-driven architecture for scalability and maintainability.

RandoMovie - Random Movie Suggestions RandoMovie

- Developed a dynamic web app using React.js that allows users to **explore movies by genre and language** with a **randomized selection algorithm** using the **TMDb API**.
- Architected the application using React.js core features, Implemented **paginated API calls** and randomized selection logic.

ACHIEVEMENTS

NASSCOM Mobility Innovation Challenge, Bangalore 2025

- Designed a **3-layer location detection architecture** for a Tata Motors use case in a national Deep Tech startup competition, presented it to the **Tata Motors jury**, and secured **First Place at the national level**.

TECHNOLOGIES

Proficient with: JavaScript, React.js, Node.js, Express.js, MySQL, MongoDB, HTML5, CSS3, Python, pandas, NumPy, Data Structures, Algorithms, Git, REST APIs, JSON integrations, SQL data modeling,

Worked with: .Java, Scikit-learn, ETL pipeliens, BeautifulSoup, CrewAI, LangChain, LangGraph, Supabase, Firebase, Cisco Packet Tracer, Redux, Figma, Django, RAG workflows, Canva, Excel

EDUCATION

Vellore Institute of Technology, Int.MTech in Computer Science May 2020 – June 2025

- GPA: 8.18/10.0
- Coursework:** Data Structures and Algorithms, Machine Learning, Advanced Algorithms