

# Pramod Somesh

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## 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 Agentic AI systems using crewAI and strong Data Structures and Algorithms fundamentals enabling efficient, reliable, performance-oriented code.

## EXPERIENCE

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| <b>AI/ML Engineer, BigDataMatica – Vizag</b>                                                                                                                                                                     | Nov 2025 – Jan 2026 |
| • Designed a <b>3-layer location detection architecture</b> for a Tata Group-defined use case, which was presented directly to the Tata Group and won a <b>national-level startup competition across India</b> . |                     |
| • Built and presented <b>client-facing applications</b> for projects such as <b>Tata Motors</b> lead-generation and dynamic pricing application and <b>Hirawats</b> stock management agentic dashboard.          |                     |
| <b>Full Stack Developer, Arista Vault – New Delhi</b>                                                                                                                                                            | Aug 2024 – May 2025 |
| • Designed visually appealing and user-friendly <b>landing pages</b> which improved customer engagement and <b>increased conversion rates by approximately 10%</b> .                                             |                     |
| • Integrated a <b>chatbot</b> into the website using the <b>Botpress API</b> , enabling automated customer interactions and <b>improving response time</b> for user queries by approximately 35%.                |                     |

## PROJECTS

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

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| <b>RandoMovie - Random Movie Suggestions</b>                                                                                                                                           | RandoMovie |
| • Developed a dynamic web app using React.js that allows users to <b>explore movies by genre and language</b> with a <b>randomized selection algorithm</b> using the <b>TMDb API</b> . |            |
| • Architected the application using React.js core features, Implemented <b>paginated API calls</b> and randomized selection logic.                                                     |            |

## ACHIEVEMENTS

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| <b>NASSCOM Mobility Innovation Challenge, Bangalore</b>                                                                                                                                                                                  | 2025 |
| • Designed a <b>3-layer location detection architecture</b> for a Tata Motors use case in a national Deep Tech startup competition, presented it to the <b>Tata Motors jury</b> , and secured <b>First Place at the national level</b> . |      |

## 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

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|--------------------------------------------------------------------------------------------|----------------------|
| <b>Vellore Institute of Technology, Int.MTech in Computer Science</b>                      | May 2020 – June 2025 |
| • <b>GPA:</b> 8.18/10.0                                                                    |                      |
| • <b>Coursework:</b> Data Structures and Algorithms, Machine Learning, Advanced Algorithms |                      |