

POOVARASAN G

Full-Stack Developer | AI Application Development

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LinkedIn | GitHub | Portfolio

Professional Summary

Full-Stack Developer with professional experience building and enhancing enterprise applications across frontend, backend, APIs, databases, business logic, authentication, authorization, dashboards, and data-processing workflows. Experienced with Angular, Python, Django, FastAPI, REST APIs, SQL, MongoDB, and PostgreSQL. Contributed to modernizing an enterprise application from Angular 14 to Angular 19 and developing web and backend capabilities for an online vehicle auction platform. Experienced in AI-assisted software engineering using Claude, Gemini CLI, and GitHub Copilot, along with practical development using MCP and LangChain, including AI-powered chatbot and agent workflows.

Technical Skills

Languages: Python, JavaScript, TypeScript, SQL, HTML5, CSS3

Frontend: Angular, PrimeNG

Backend: Django (MVT), FastAPI, REST APIs

Databases: MongoDB, MySQL, PostgreSQL

AI & GenAI: MCP, LangChain, AI Agents, Generative AI, AI Chatbots

AI-Assisted Development: Claude, Gemini CLI, GitHub Copilot

Tools: Git, GitHub, Postman, Swagger, VS Code, Docker, n8n

Professional Experience

Wyzmindz Solutions, Bangalore

Junior Software Developer

May 2026–Present

Advaita BI / Syntheta – Business Intelligence Platform

- Developed and enhanced enterprise frontend and backend functionality using Angular, Python/Django, FastAPI, REST APIs, and databases.
- Modernized an existing application from Angular 14 to Angular 19, followed by UI modernization, compatibility fixes, application stabilization, and subsequent feature development.
- Implemented and enhanced dashboard, user management, role management, permissions, database connection, UI components, and application workflows.
- Integrated and enhanced REST APIs and resolved frontend and backend issues involving business logic, data processing, UI behavior, and application workflows.

Auction Management System – Online Vehicle Auction Platform

- Contributed to the development of an enterprise online vehicle auction platform across web and backend components.
- Implemented and enhanced authentication workflows including OTP verification, password flows, admin two-factor authentication, session management, and user approval workflows.
- Developed and enhanced auction and bidding functionality including live bid status, proxy bidding, auction visibility, bid validation, seller workflows, inventory APIs, and auction dashboard metrics.
- Implemented application features involving access control, dashboard functionality, chat indicators, file validation, API integration, and auction configuration workflows.
- Diagnosed and resolved development-stage defects across frontend, backend, APIs, authentication, validation, data processing, and business workflows.

AI-Assisted Engineering & AI Application Development

- Applied Claude, Gemini CLI, and GitHub Copilot across feature development, debugging, UI/UX implementation, documentation, and code-review workflows to accelerate development of new requirements.
- Worked with MCP and LangChain for practical AI application development and integration.
- Built an AI-powered chatbot / AI-agent workflow for the Waterfall application as part of applying MCP and AI-agent concepts to an existing enterprise application.

Trainee Software Developer

Nov 2025–May 2026

Waterfall – Enterprise Sales Reporting Platform

- Developed core enterprise application functionality using Django, Angular, database-driven business logic, and application workflows.
- Implemented and enhanced business workflows involving sales reporting, waterfall analytics, ROL processing, data filtering, and reporting requirements.
- Developed Excel-based upload workflows with data validation, exception handling, pagination, download functionality, filtering, and data-processing logic.
- Implemented user-based and region-based access restrictions for application data and upload workflows.

- Enhanced weekly, monthly, quarterly, and QTD data-processing and reporting functionality according to business requirements.
- Investigated and resolved frontend and backend defects involving UI behavior, filters, data processing, uploads, business rules, and application workflows.

Advaita Data Bridge – MCP / Data Transfer Development

- Contributed to MCP-based application development including UI creation, Angular integration, backend integration, and data-transfer workflows.
- Worked on MongoDB data-transfer functionality and integration within the Advaita Data Bridge application.

Certifications

MCP Certification

Completed

Practical experience applying MCP concepts through MCP-based development, LangChain integration, and AI application development.

Education

Bachelor of Engineering (Computer Science and Engineering)

Oct 2021–Jun 2025

Paavai College of Engineering

CGPA: 7.8

Academic Project

Intelligent Ambulance Detection & Traffic Light Optimization

Developed a real-time ambulance detection and traffic-light optimization system using Python, YOLO, OpenCV, and TensorFlow.