

AKSHATGUPTA

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Summary

Results-driven **Full Stack Developer** with extensive experience at **Talentica** and **NAV Backoffice**, specializing in **modernizing legacy applications**, **optimizing software systems**, and **developing scalable APIs** for seamless third-party integration. Proficient in **.NET, Python, React.js**, and databases like **SQL Server, MongoDB and PostgreSQL**, with expertise in **Docker and Kubernetes** for containerized deployments. Working on modern technologies like **GenAI, Agent AI and RAG**. Adept at ensuring the stability of **microservices architectures**, conducting **stakeholder meetings**, and driving project success. Recognized with multiple **awards** for technical excellence. Currently pursuing an **M.Tech.**, focusing on **AI/ML and model building**, with a career goal to contribute to AI-driven innovation in a forward-thinking organization.

Experience

Software Development Engineer 3 Talentica	06/2025 to Current Pune
<ul style="list-style-type: none">Designed and implemented a scalable RAG pipeline to handle and embed 20-30 million rows of legacy data, enabling efficient semantic search and context retrieval.Pre-processed and chunked diverse data formats including text, images, and documents to optimize input for embedding and downstream tasks.Developed a robust microservice using FastAPI and integrated agent-based AI tools to orchestrate modular, multi-step AI workflows via cursor-driven execution.Built the In-house AI Assistant bot using Python, FastAPI, LangChain and different agentic tools.Engineered a suite of custom AI agent tools to support a built-in AI assistant, enabling domain-specific tasks such as content generation, summarization, and knowledge search.	
Senior Software Developer Talentica	07/2022 to 05/2025 Pune
<ul style="list-style-type: none">Developed UI and API for an AI-powered assistant that enables users to query internal applications, generate customized emails, banners, and videos, and maintain conversation history with a thread feature.Migrated an outdated application stack from ColdFusion and ASP.NET to a modern Node.js, React, and MongoDB architecture.Engineered custom GenAI solutions, allowing users to generate emails with specific formats, UI, and images through advanced prompt engineering.Developed unit tests for microfrontend using ClaudeAI, ensuring robust and reliable application performance.Built a multi-agent AI system using the CrewAI framework (Python) to enhance an assistant AI, automating content generation, template suggestions, and follow-up prompts based on user queries.Optimised load-balancing for high-traffic client pages (e.g., Google), reducing load times from 1.5 minutes to 40–50 seconds, and server utilisation from 100% to 60%, while handling 2K+ concurrent users.Managed feature releases and issue resolution using Jenkins pipelines, ensuring smooth deployment cycles.Led stakeholder meetings to gather requirements, manage expectations, and report progress, strengthening client relationships.Authored detailed documentation of user requirements and system definitions to support development, and project clarity.Collaborated with product managers to define project scopes, aligning technical implementation with business objectives.Mentored junior engineers, providing guidance on coding standards, best practices and career growth.Received multiple awards for outstanding contributions and performance.	

Skills

<ul style="list-style-type: none">Python, Fast API, C#, .NET Core, ASP.NET, .net coreReact.js, JavaScriptCrewAI, FastAPI, LangChainSQL Server, MongoDB, PostgreSQL, Kibana, Elastic Search	<ul style="list-style-type: none">Terraform, GitHub and GitJira, Confluence, JenkinsKnowledge of NLP, Computer Vision, Advanced Deep Learning, Reinforcement Learning and Graph Neural Networks
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