

ROHIT KUMAR

Software Engineer | Backend & Generative AI

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 1.5+ years of experience in backend development and generative AI solutions. Proven expertise in building scalable APIs, intelligent AI agents, and voice-enabled systems. Currently developing cutting-edge generative AI applications using agentic AI frameworks and Model Context Protocol at HashedIn by Deloitte. Demonstrated ability to optimize system performance and deliver enterprise-grade solutions.

PROFESSIONAL EXPERIENCE

Software Engineer

April 2025 – Present

HashedIn by Deloitte

- Develop generative AI solutions using agentic AI frameworks, LangChain, and Google ADK for enterprise applications
- Architect and implement AI agents with Model Context Protocol (MCP) and A2A protocol integration
- Build and deploy scalable MCP servers for enterprise AI service orchestration across multiple environments
- Design conversational AI systems with advanced natural language processing and context understanding
- Collaborate with cross-functional teams to deliver innovative AI-driven solutions for enterprise clients

Backend Developer

May 2024 – April 2025

HackerKernel

- Developed and maintained RESTful APIs using Django REST Framework for mobile applications
- Built high-performance backend services using Node.js and Express.js with scalable architecture
- Implemented optimized PostgreSQL database architectures with advanced query optimization, reducing API response time by 40%
- Designed secure authentication systems using JWT tokens with role-based access control
- Collaborated with mobile development teams to ensure seamless API integration and maintain data consistency

TECHNICAL SKILLS

Languages:

Python, JavaScript, Node.js, SQL

AI/ML Tools:

Generative AI, LangChain, Agentic AI, Model Context Protocol (MCP), Google ADK, A2A Protocol

Frameworks:

Django REST Framework, Express.js

Technologies:

PostgreSQL, MySQL, Redis, Docker, Git, RESTful APIs, MCP Servers, JWT

KEY PROJECTS

AI Voice Assistant for Call Handling

Technologies: Agentic AI, LangChain, Speech APIs, Transformers, Twilio

- Developed intelligent voice assistant using agentic AI and LangChain for automated call management and customer service
- Integrated advanced speech-to-text and text-to-speech APIs with real-time processing capabilities
- Implemented transformer-based conversation flows with context memory management and multi-turn dialogue support
- Deployed scalable low-latency architecture for handling concurrent voice sessions using Twilio communication APIs

E-commerce Web Application

Technologies: HTML, CSS, JavaScript, Django REST Framework, MySQL, RESTful APIs

- Created comprehensive e-commerce application with product listing, shopping cart, and order management features
- Implemented complex database relationships and performed advanced CRUD operations for inventory management
- Designed RESTful APIs for seamless frontend-backend communication and data persistence
- Built responsive user interface with modern web technologies and optimized user experience

EDUCATION

Bachelor of Technology in Computer Science and Engineering

NRI Group of Institutions (2024)

Higher Secondary (PCM) | MNB Memorial Public School (2020)