



Academic Profile

M.Sc. Informatics	2019	Major- Information Technology and Computer Networks	University of Delhi
B.Sc. Electronics	2017	Major- Electronics and Communication	University of Delhi

Work Experience

Total: 8 Years

Google Cloud India, Bengaluru, India

July'26 - Current

Software Engineer(WSE)
<https://cloud.google.com/>
 Domain: Cloud Services

- Focusing on developing Agentic cloud-based AI solutions and web systems engineering to support Google Cloud enterprise clients.
- Developed AI Agents and tools to be used by clients and technical support teams to track the performance and bugs of different cloud services .

Carlyle Group(Vichara),Remote, India

Feb'26 - June'26

Technical Lead
<https://www.carlyle.com/>
 Domain:
 Investment-Banking

- Architected a benchmark-driven pricing engine integrating Snowflake and Postgres to automate scalable, audit-grade market yield computation with AI-assisted validation and financial time-series analytics.
- Designed cross-system data architecture for weighted benchmarks, versioned compositions, and dynamic rate resolution (WA yield, illiquidity premium, risk adjustments) with caching and batch optimisation.
- Built high-performance analytics pipelines and Snowflake service layers enabling idempotent ingestion, data quality controls, and anomaly-aware coverage tracking.
- Preserved backward compatibility by decoupling AI-enabled discount-rate resolution from legacy cashflow models, ensuring deterministic and regression-safe valuations.

Incyte(RL), Bengaluru, India

Aug'24 - Feb'26

Senior Software Engineer
<https://incyte.com/>
 Domain: Pharma- R&D

- Designed and developed AI agents for drug discovery applications, leveraging RAG (Retrieval-Augmented Generation) for intelligent document and media processing with Python(FastAPI), WebSocket and WebRTC.
- Developed end-to-end pipelines for document ingestion, indexing, and querying, integrating AWS S3, OpenSearch, and DynamoDB for scalable storage and retrieval.
- Design, implement, and optimise RAG pipelines, including embedding strategies, vector search, and retrieval patterns, using Langchain, LangGraph, LangSmith, and Vector Databases.
- Worked with AWS and Azure cloud ecosystems, optimising the deployment and performance of AI-driven applications and integration with different GenAI Models like OpenAI, Gemini, Claude, e.tc.

Docquity, Gurugram, India

Aug'22 - May'2024

Software Development Engineer,
<https://docquity.com/>
 Domain: HealthCare

- At Docquity, I worked as a Back-end engineer to re-engineer an existing monolithic architecture into a microservices-based architecture. I introduced gRPC for inter-service communication and added caching for fast data retrieval.
- I wrote several services for features like community, webinars, content management, etc., which handle thousands of concurrent users and high-volume, real-time data processing.
- Content Service - This service works as a storehouse for all other services; it manages all types of content like text, audio, video, etc. Tech stack - Springboot(JAVA), Python, MongoDB, Redis, gRPC, Jenkins, Docker, Websocket
- Community Service—This is a feature service where doctors can create a community according to their speciality and actions—join, invite, exit, block. The tech stack is Python(Django), MySQL, and AWS, Nest.js(Node), Python, PHP, MySQL, AWS.

Zenarate(Naehas), Gurugram, india

June'21 – July'22

Software Engineer,
<https://www.zenarate.com/>
 Domain: Finance

- At Zenarate, I worked as a Full-Stack-Developer to add new features to existing applications.
- I added WCAG compatibility(accessibility) to the application, i.e., the website can be used by visually impaired people with the help of tools like VoiceOver (MAC) and JAWS(Windows). Tech Stack - JavaScript, jQuery, React.js
- Added a scheduled assignment feature to create Stories of AI chat and audio sessions to boost the KPI of financial organisations by 30%. Tech stack - Python, Node.js, JavaScript, MySQL
- Added Spell-check and grammar-check features to the existing AI chatbot. Tech stack - Python(Flask), Node.js, JavaScript, MySQL, integration with different GenAI Models like OpenAI

Samarth eGov(IIC UDSC), New Delhi, India

June'19 - May'21

Programmer, Full stack
<https://docs.samarth.ac.in/>
 Domain: EdTech

- At Samarth, I worked as a full-stack developer to create web applications that could cater for lakhs of concurrent users during peak hours.
- Recruitment Module- An application that serves pan-India recruitment for universities. Tech stack- PHP, MySQL, JavaScript. Trained small models for internal application using ML frameworks(TensorFlow)
- Examination Module- An application that allows students of Indian universities to appear in online examinations, grading, and evaluation. Tack stack, Nodejs, PHP, JavaScript, MySQL, Python(Django)
- Evaluation and Verification Module- An application that allows students and other academic entities to generate documents from various sources and verify them online without any paperwork. Stack- PHP, Python, MySQL, AWS.

Skills	
Technical Expertise	<ul style="list-style-type: none"> ● Python(Fast-API, Django, Flask,Pandas, Numpy),JavaScript(Nodejs), TypeScript(Nest.js), php, Java ● Communication protocols: RESTful, gRPC, WebSockets, SSE, async Queues, Pub-Subs, MCPs ● Databases - MySQL, MongoDB, PostgreSQL, DynamoDB, OpenSearch, Redis, Snowflake, Pinecone ● Cloud Services- AWS(EC2, S3, SQS, SES,lambda, cloudfront, cloudformation, e.tc.),Azure, GCP ● DevOps/MLOps tools- Git, Jenkins, Docker, K8S, Terraform, CI-CD, LangFlow, MLFlow, LLM-fine-tuning ● RAG tools and Orchestration -LangChain, LangGraph, Vector-Databases, Gen-AI(OpenAI, Gemini, Anthropic, etc.), embeddings, vector search, retrieval strategies, chunking approaches, Pytorch
Soft Skill	<ul style="list-style-type: none"> ● JIRA, Confluence, MS-365, Github, GitLab, Azure DevOps, JetBrains IDEs, VSCode, Windsurf, Cursor, Copilot, etc.
Certifications	
	<ul style="list-style-type: none"> ● Network Security Expert 2(Associate), Fortinet ● Machine Learning, Stanford Online ● CompTIA Security+, Cybrary ● Network Security Expert: Fortinet ● MCP by Anthropic
Academic Awards & Achievements	
Co-Curricular	<ul style="list-style-type: none"> ● Author of various research papers(6) published in different journals and conference proceedings ● Awarded with merit-cum-means scholarship - 2018 ● Awarded ELITE (Education in Lively Innovative Training Environment) Fellowship at Acharya Narendra Dev College.
Extra-Curricular	<ul style="list-style-type: none"> ● Has been a part of the team responsible for upgrading CAN(campus area network) in UDSC from 1 Gbps to 10 Gbps using a star+ring network configuration, eliminating SPOF(single point of failure), which serves 18,000 endpoints across the university. ● Granted cluster innovation project by MoE and established robotics and automation lab