

AKASH BHARANGAR

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EDUCATION

Delhi Technological University (DTU) <i>B.Tech - Mathematics & Computing Engineering</i>	Dec 2020 – Jun 2024 CGPA: 7.92/10
Kendriya Vidyalaya No. 3 <i>Class XII (CBSE)</i>	2018 – 2019 7.90/10
Kendriya Vidyalaya No. 3 <i>Class X (CBSE)</i>	2016 – 2017 10/10

EXPERIENCE

Software Development Engineer Intern <i>Whuff India</i>	May 2025 – Apr 2026
- Developed and integrated e-commerce features including product catalog, shopping cart, checkout, and order management using the MERN Stack, supporting transactions for 1K+ monthly users. - Designed and implemented 12+ RESTful APIs using Node.js, Express.js, JWT Authentication, and Role-Based Access Control (RBAC), handling 500+ daily requests securely and efficiently. - Optimized MongoDB database performance through indexing, query optimization, and pagination, reducing API response latency by ~30% and improving application scalability. - Developed an Admin Dashboard using React and Node.js to streamline product, order, and operational workflows, reducing manual processing time by ~40%.	
Software Development Engineer Intern Certificate Link <i>Probo Media Technologies</i>	July 2024 – Jan 2025
- Developed backend services for the Football category of Probo Live using Node.js and Express.js, supporting real-time match updates and serving 1L+ users on the platform. - Optimized backend API performance using Redis caching, reducing API response time by ~70% and contributing to 40K+ new users and 1.5L+ transactions on the Probo Live application. - Designed and developed REST APIs for the Watchlist feature of the Probo Desktop App, enabling users to efficiently manage and track their preferred events and markets. - Implemented input validation and settlement logic for Probo's Classic Fantasy (Team 11), ensuring accurate prize distribution and improving the reliability and security of backend APIs. - Developed a Python-based referral verification script to validate user transactions and ensure accurate transfer of referral rewards to eligible accounts.	

PROJECTS

Stock Trading Simulator <i>MERN, JWT, REST APIs, Real-Time Systems</i>
GitHub Demo - Developed a MERN stack Stock Trading Simulator with JWT authentication, enabling users to securely sign up, manage profiles, and practice stock trading using virtual balances. - Implemented RESTful APIs for real-time stock data, buy/sell transactions, portfolio tracking, and market news, ensuring accurate simulations and scalable performance.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), C++, SQL.
AI & GenAI: LLMs, RAG, AI Agents, Agentic Workflows, Multi-Agent Systems, Prompt Engineering, Tool Calling, Structured Outputs, Context Engineering.
AI Frameworks: LangGraph, LangChain, Hugging Face Transformers, Sentence Transformers, LlamaIndex, CrewAI.
RAG & Vector Search: Embeddings, Vector Search, Retrieval Pipelines, ChromaDB, FAISS, Qdrant, Pinecone.
Backend: Node.js, Express.js, FastAPI, REST APIs, JWT, RBAC, Middleware Architecture.
Databases: MongoDB, PostgreSQL, Redis, Prisma.
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS.
Cloud & DevOps: AWS, Docker, Linux, CI/CD, Vercel, Render.
Tools & CS Fundamentals: Git, GitHub, Postman, Data Structures & Algorithms, OOP, Operating Systems, DBMS, System Design.