Atharva Kale

Haldwani, Uttarakhand

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Education

VIT Bhopal University   **Aug 2022 – May 2026**
B.Tech in Computer Science Engineering — CGPA: **8.78**
Bhopal, Madhya Pradesh

Class XII (CBSE)   **June 2022**
Stream: Science — CGPA: **7.79**

Class X (CBSE)   **June 2020**
CGPA: **8.63**

Projects

Conversational AI with LangChain & Pinecone — *Python, LangChain, Groq, Pinecone*   **Feb 2025 – Mar 2025**
- Built a RAG-based Q&A system using Groq for inference and Pinecone for vector storage.
- Implemented semantic search with embeddings, achieving 80%+ accuracy.
- Optimized retrieval latency by 50% using efficient text chunking and indexing.

Subscription Management System API — **Node.js, Express, MongoDB**   **Feb 2025 – Mar 2025**
- Built a scalable subscription management API, handling transactions for 5K+ users.
- Implemented JWT authentication and role-based access control, reducing unauthorized access by 40%.
- Deployed Arcjet for advanced rate limiting and bot protection, preventing 99% of spam requests.
- Optimized database queries with MongoDB indexing, reducing query latency by 60%.
- Automated email reminders with Upstash, improving user retention by 30%.
- Established global error handling, logging mechanisms, and middleware integration for stability.

StoreIt – Cloud Storage Platform — **Next.js, Appwrite, TailwindCSS, ShadCN** **Nov 2024 – Jan 2025**
- Engineered a secure file storage and sharing platform, reducing file retrieval time by 30%.
- Architected an interactive dashboard, improving navigation efficiency by 40%.
- Optimized backend API response time by 25%, enhancing system reliability.
- Integrated real-time notifications for file uploads and shares, increasing engagement.
- Constructed a caching mechanism that improved data retrieval speeds by 50%.
- Implemented cloud-based storage using Appwrite, improving scalability and reliability.

Technical Skills

Programming:	Java, JavaScript, Python, SQL, HTML, CSS
Databases:	MySQL, PostgreSQL, MongoDB
Cloud & DevOps:	Appwrite, Docker, AWS (Basic)
Frameworks:	React, Node.js, Express
Concepts:	DSA, OOP, System Design, Microservices, API Development, CI/CD Pipelines

Certifications

- Python Essentials – Vityarthi
- Web Development Bootcamp 2023
- IBM-ADROIT - GEN AI Training
- SMARTBRIDGE - MERN Certification
- AWS Cloud Practitioner (In Progress)