Akshat Sharma

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1 Professional Summary

Software Engineer skilled in full-stack development, machine learning, and intelligent agent systems. Proficient in building scalable backend workflows, intuitive UIs, and AI-integrated applications using C++, Python, JavaScript (ReactJS, Flutter, Node.js), and Docker.

2 Technical Skills

- **Languages:** C++, Python, JavaScript, Dart
- **Frameworks:** ReactJS, Flutter, Node.js, Express, React Native
- **Tools:** Firebase, MongoDB, Twilio, OpenAI API, Vercel, Docker
- **Concepts:** Full-stack, NLP, REST APIs, Agentic AI, App Dev, DevOps

3 Education

B.Tech, Computer Science and Engineering
NIT Hamirpur 2019–2023
CGPA: 8.92/10

4 Work Experience

Software Engineer (SDE-I)
SearchUnify Jan 2024–Present

- Redesigned server alert UI, improving triage efficiency by 20%
- Migrated data from ElasticSearch to MongoDB, enhancing reliability
- Built backend alert workflows with Twilio and Webhooks, cutting response time by 25%
- Developed event-chain mechanism for agentic analytics to track and optimize user interactions
- Implemented ETL pipelines with guardrails for secure Node.js and SQL execution

5 Projects

InnerLoop AI – Journal & Mood Predictor
Demo | GitHub | Node.js, OpenAI API

- Built journaling app with AI-based mood predictions and feedback
- Integrated OpenAI GPT for text analysis and deployed on Vercel
- Used Prisma ORM for database management and generated weekly mood graphs

Reddit Automation Agent
Demo | GitHub | Node.js, OpenAI API

- Developed AI agent for Reddit API actions with intent parsing and OAuth
- Deployed full-stack app with agentic flow logic
- Enabled posting to any subreddit using natural language prompts

Chatbot Knowledge Uploader & Search Agent
Demo | Github | Next.js, Node.js, Supabase, OpenAI API

- Built full-stack app to let users sign up, verify email, upload and query documents (PDF, DOCX, TXT, raw text, URLs)
- Enabled semantic search using OpenAI embeddings with real-time Q&A over uploaded content
- Integrated user dashboard for content management and interactive querying with rich UI

6 Certifications

- Machine Learning, NPTEL: "Elite" Certificate, IIT/AICTE
- Deep Learning, NPTEL: "Elite" Certificate, IIT/AICTE
- Web Development, MyCaptain: Letter of Recommendation