MOHIT SHARMA

Sitare University with SRMU, Lucknow, India
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Education

B.Tech, Computer Science, Sitare University *Course Completion - May'27*

Relevant Coursework: Python Programming, Java Programming, Object Oriented Programming Concepts, Data Structures and Algorithms, Artificial Intelligence, Database Management System

GPA: 7.95

Technical Skills

Programming Languages: Python, JavaScript, Java
Web Technologies: SpringBoot, , Flask, HTML/CSS, Tailwind CSS
Databases & APIs: MongoDB, MYSQL, GraphQL
AI/Data Science: NLP, Scikit-learn, Pandas, NumPy, BeautifulSoup
Developer Tools: Git, Github, Docker, Vscode

Projects

CareerPathAI – Intelligent CV Analysis & Career Recommendation System

- *Built an AI-powered platform for resume analysis, personalized job recommendations, and skill-gap identification.*
- *Implemented NLP parsing, semantic matching, and learning-path suggestions using Python, Flask, and transformer-based models.*

ChatFlex – General-Purpose AI Query & Knowledge Assistant

- *Built a versatile chatbot that analyzes uploaded documents and answers queries using vector embeddings and fast retrieval.Implemented scalable data loading and a responsive Flask-based interface supporting large datasets efficiently.*

BroadCastX – Real-Time WebSocket Broadcast Chat System

- *Built a production-grade real-time chat system using WebSockets and FastAPI, featuring scalable connection management and a modern, responsive frontend for seamless multi-client communication across devices.*

DBGuard – Universal Database Backup & Restore CLI

- *Built a cross-platform CLI tool for secure backup and restore of MySQL, PostgreSQL, MongoDB, and SQLite databases.*
- *Supports compressed, scheduled backups with modular design, strong error handling, and local or cloud storage.*

CacheForge — Production-Grade HTTP Caching Proxy

- *Built a high-performance HTTP caching forward proxy to reduce latency and backend load through intelligent response caching. Implemented LRU/LFU eviction, TTL and Cache-Control handling, thread-safe concurrency, real-time cache metrics, and CLI-driven configuration.*

Matrix Decomposition Tool

- *Implemented an algorithm to decompose any square matrix into its L, D, and U components for efficient linear system solving and numerical analysis.*

Scholarships

100% B.Tech CS Scholarship, Sitare Foundation *Aug'24 - Present*

Top Neurons Scholarship *Oct'21 - May 23*