Himanshu Srivastava

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Experience

Software Engineer   *Jan 2024 – Present*
Zeero Two Technova Pvt. Ltd
[Zetarya](#)
- Built high-performance P2P file transfer system using Python and Rust, achieving 1 Gbps speeds and reducing 2TB transfer time from 4.2 weeks to 5 hours
- Implemented serverless architecture using AWS Lambda and MongoDB Atlas, resulting in scalable license management system with 99.9% uptime
- Developed cross-platform desktop client using JavaScript and Rust, incorporating advanced flow control mechanisms for optimal performance

Projects

Talk2File - RAG Document Chat   *Git*
- Engineered document interaction system using LangChain, HuggingFace, FAISS, and Flask for enterprise document analysis
- Implemented vector similarity search with FAISS, achieving sub-second query response times on 100K+ document corpus
- Optimized memory usage through efficient document chunking and embedding pipeline, reducing RAM usage by 60%

Anime Recommender System   *Git*
- Built recommendation engine using FastAPI, Docker, and MongoDB, processing 10K+ anime titles with advanced content-based filtering
- Implemented cosine similarity algorithm with custom preprocessing pipeline, achieving 85% recommendation accuracy
- Containerized application with Docker and designed RESTful API architecture for seamless integration

Disaster Response ML System   *Git*
- Developed computer vision model achieving 92% accuracy in disaster severity assessment using PyTorch and Firebase
- Implemented real-time data processing pipeline handling 1000+ concurrent users through Firebase authentication
- Designed scalable MongoDB schema for efficient disaster response data management and retrieval

Technical Skills

Programming Languages Python, SQL, Java , Javascript
AI/ML Stack : TensorFlow, PyTorch, Scikit-Learn, LangChain, HuggingFace, FAISS
Cloud & Backend AWS (Lambda, S3), Azure, FastAPI, Flask, Firebase, Docker, MongoDB
Developer Tools Git, Linux, CI/CD

Education

Noida Institute of Engineering and Technology   *2020 – 2024*
B.Tech in Computer Science (AI & ML)
- Specialized in Artificial Intelligence & Machine Learning
- **Coursework:** Data Structures, Algorithms, Machine Learning, Deep Learning, Software Engineering
- Led 3 major projects in AI/ML domain with practical applications in recommendation systems and disaster response