Shiva Maurya

Mumbai, India

📞 +91 7249898729 ✉ mauryashiva060@gmail.com ⭘ github.com/mauryashiva 🔗 linkedin.com/in/mauryashiva

Summary

Full-Stack Developer and AI Engineer with strong experience in Python, FastAPI, React, Node.js, and Machine Learning. Skilled in building scalable web applications, real-time systems, and AI-powered platforms.

Technical Skills

Languages: Python, Java, C++, JavaScript/TypeScript
Frontend: React, Next.js, Tailwind CSS, Vite, Framer Motion
Backend: FastAPI, Node.js, Express.js, REST APIs, WebSockets, Socket.IO
AI / ML: PyTorch, Hugging Face Transformers, CNN Models, NLP, Data Processing
Developer Tools: Git, Docker, REST APIs, CI/CD, Postman, Cloudinary, Deployment (Vercel, Render)

Projects

Supply Chain AI Dashboard | FastAPI, Python, PostgreSQL, React, Machine Learning, Data Analytics
- Built a full-stack AI-powered Supply Chain Management and Analytics platform with real-time inventory tracking, order management, and data visualization dashboards.
- Developed scalable REST APIs using FastAPI and integrated PostgreSQL for structured data handling and backend services.
- Implemented machine learning–based demand forecasting and designed interactive dashboards for business insights and analytics.

Media Genre Classifier (GenreLab) | Python, PyTorch, CNN, Librosa, FastAPI, React, Deep Learning
- Developed a deep learning–based media classification system using a Convolutional Neural Network (CNN) in PyTorch to classify music genres from audio files. Implemented audio feature extraction using Librosa and trained the model on the GTZAN dataset
- Built a FastAPI backend and React dashboard for real-time media upload, genre prediction, and visualization of classification results.

Real-Time Chat Application | MongoDB, Express.js, React, Node.js, Socket.IO, WebRTC, JWT, Cloudinary
- Developed a real-time full-stack chat application using the MERN stack with Socket.IO for instant messaging and real-time data synchronization.
- Implemented WebRTC-based audio/video calling, secure JWT authentication, and media sharing with cloud storage integration.
- Integrated an AI assistant and built scalable backend APIs for messaging, group chats, and user management.

Experience

Front-End Development Intern
IBM SkillsBuild Summer Internship Program – CSRBOX
June 2024 – August 2024

- Developed responsive UI components using modern web technologies and improved user interface performance.
- Integrated frontend components with backend APIs and implemented dynamic data rendering.
- Collaborated in a structured development workflow and gained experience in scalable application architecture.

Education

Bachelor of Engineering (Information Technology)
Vasantdada Patil Pratishthan's College of Engineering, Mumbai
CGPA: 7.0 | Expected Graduation: 2026

Higher Secondary Certificate (HSC)
Thakur Vidya Mandir College, Nalasopara
Score: 83.17%

Certifications

- Introduction to Cybersecurity — Cisco Networking Academy
- Python Training — IIT Bombay (Spoken Tutorial)

- Cloud Computing Fundamentals — IBM SkillsBuild
- The Complete Web Development Bootcamp — Angela Yu (Udemy)