Ishaan Deep

ishaandeep5@gmail.com | 8797942953 | LinkedIn

Software Engineer experienced in building scalable microservices and AI-driven applications in the fintech domain. Skilled in designing and delivering complex, high-performance features.

Skills

- **Languages |** Python · JavaScript · C · C++
- **Frontend |** React.js · Recoil · Tailwind
- **Backend |** FastAPI · Node.js · Express.js
- **Database & Caching |** MongoDB · PostgreSQL · MySQL · Redis
- **Cloud Technology |** AWS · Azure
- **Orchestration & Workflow |** Prefect · RabbitMQ
- **AI & Machine Learning |** HuggingFace Transformers · Llama Models · OpenCV · PyCairo
- **Miscellaneous |** Docker · Kubernetes · Bitbucket · Postman · Git

Experience

- **Capital Quant Solutions**

  Software Development Engineer | May 25 - Present
  - Developed and integrated REST APIs to enable seamless communication between multiple microservices.
  - Led the development of a new product, collaborating with cross-functional teams to handle all application modules.
  - Leveraged Redis caching to optimize frequent data retrieval and reduce API response latency.
  - Implemented RabbitMQ-based asynchronous task queues to orchestrate background jobs in inter-service communication.
  - Improved system efficiency through workflow orchestration, reducing manual intervention and deployment time

  Software Engineer Intern | Jan 25 - Apr 25
  - Engineered core components of an in-house Python-based video rendering engine, leveraging NumPy, OpenCV, and PyCairo for high-performance frame generation.
  - Developed synchronous animation modules and optimized rendering logic, improving both speed and visual quality.
  - Enhanced system performance through CPU utilization optimization and intelligent caching strategies.
  - Delivered interactive iframe-driven CTA workflows, coordinating with product and design teams for seamless integration into client video experiences.

Projects

- **AI-Powered Wardrobe Recommendation System | React Native · FastApi · MySQL · Redis · AWS**
  - Build a mobile app enabling users to create digital wardrobe and get personalized outfit suggestions using on-prem AI models
  - Integrated DeepSeek-based embedding models for contextual matching and style similarity scoring across clothing items.
  - Enabled e-commerce integration to suggest new purchasable items that pair well with the user's existing wardrobe.

- **Intelligent Health Care Industry for Disease Detection | Research**
  - Proposed a model to detect diseases at an early stage using Logistic Regression and Support Vector Machine.
  - Achieved an average accuracy of 96% in detecting heart disease, obesity, and cancer

Freelancing

AWESMART
- A Website using MERN stack for Financial firm Awesmart.
- Enhanced the skill to build a Full Stack Website.
- Improved my ability to cover clients' demands.

Certification

- A complete full-Stack web-development bootcamp in Udemy
- A complete python bootcamp in Udemy

Education

Institute of Technical Education and Research, S'O'A University
B.Tech, Computer Science & Engineering | CGPA: 8.87
D.A.V Kapil Dev Public School
12th CBSE-PCM | 78.8% | 10th CBSE | CGPA: 9.4