



ANEESH RASKAR

Full Stack Developer with AI & ML

SUMMARY

Experienced software professional with a strong background in full stack development and machine learning. Proven expertise in Python, Typescript, React.js, Tensorflow, PyTorch, and Agile methodologies.

Seeking challenging roles in full stack development and data science to contribute my expertise in web solutions, AI models, and database technologies.

CONTACT

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LINKS



EDUCATION

B.Tech (Computer Science with spl in AI & ML)
Vellore Institute of Technology, Chennai
2021-25 CGPA - 8.17

PROGRAMMING LANGUAGES

C/C++
Python
Java
JavaScript
Go

AI TOOL STACK

Ollama
Huggingface
LM Studio
Copilot
Gemini CLI

WORK EXPERIENCE:

Cliff Ventures [Moneyy.ai]

Full Stack Developer, Feb 2025 – July 2025

Developed, standardized, and integrated RESTful APIs for Moneyy.ai with a strong focus on data encryption, ensuring high performance, scalability, and security using Django Rest Framework and AWS Cloud Services.

Tasks & Achievements

- **Developed RESTful APIs:**
Built and maintained scalable APIs using Django Rest Framework to support core platform functionality.
- **Standardized API Architecture:**
Established consistent API design patterns to improve maintainability and cross-team collaboration.
- **Integrated AWS Services:**
Leveraged AWS tools (e.g., ECS, S3, RDS, DynamoDB, Lambda, API Gateway) to deploy and manage secure, cloud-based backend infrastructure.
- **Implemented Data Encryption:**
Ensured end-to-end security by integrating encryption protocols for sensitive user and transaction data.
- **Optimized Performance:**
Improved API response times and system efficiency through query optimization and load handling strategies.

Skills: Python, Django, Django Rest Framework, Typescript, React.js, TailwindCSS, Docker, Git, Github, PostgreSQL

Publications:

Advancing IoT Interoperability: Dynamic Protocol Translation through Machine Learning for Enhanced Communication Efficiency

[DOI: 10.36948/ijfmr.2024.v06i04.24869](https://doi.org/10.36948/ijfmr.2024.v06i04.24869)

Neeta Lokhande, Rajendra Agrawal, Aneesh Raskar

Waste Management Optimization Using Reinforcement Learning Algorithm

[Journal of Innovations in Data Science and Big Data Management, 3\(2\), 1–10.](#)

Neeta Lokhande, Aneesh Raskar

TECH STACK

Typescript
React.js
Node.js
Next.js
Django
Flask
Tensorflow
Pytorch
OpenCV
Wails
AWS Cloud
GCP

TOOLS/ SOFTWARE

Git
Github
Docker
FreeMind
Postman

DATABASES

MySQL
PostgreSQL
MongoDB

LANGUAGES

English
Hindi
Marathi

Projects:

Collaborative Vehicle Localization using LSTM based Federated Learning for Trajectory Live Prediction | [Python, TensorFlow]

- Built a privacy-preserving trajectory prediction system using LSTM based federated learning, improving the average displacement error by 29.2% when compared to traditional approaches.
- Implemented MrE aggregation to optimize global loss (from 0.0220 to 0.0078 across 5 client devices).

Light Weight Computational Offloading using Deep Learning | [Python, TensorFlow]

[Github](#)

- Identified system bottlenecks through operational metrics analysis, improving overall efficiency by over 30%.
- Performed model quantization, reducing complexity and size by 88% with minimal accuracy loss, cutting server downtime by 15%.

NLP-Driven Resume Parser and Job Matching | [Python, HuggingFace, PyTorch, MERN Stack]

[Github](#)

- Developed an NLP-driven resume parsing solution that improved the accuracy of candidate-job matching by 40%, enhancing user satisfaction metrics while maintaining an impressive precision rate of 90%.

Real-Time Crime Detection using Deep Learning | [Python, TensorFlow, Open-CV]

[Github](#)

- Built a robust LSTM-based system capable of detecting and classifying criminal behaviors in CCTV footage, achieving impressive performance metrics (precision: 87%, recall: 84%).

Energy-Efficient Smart Irrigation System | [Python, SciKit-Learn, Arduino, Blynk]

[Github](#)

- Transformed agricultural efficiency by achieving 89% accuracy by developing an advanced IoT irrigation system. Using real-time sensor data and decision tree algorithms to optimize water usage and maximize crop yield.

Extracurriculars:

Board Member, HackClub - VITC, Chennai

- Lead event execution and community outreach for more than 15 events and 4 hackathons, engaged more than 5000 students nationwide, promoting collaboration across campus.

Member of Electrical Dept., Dreadnought Robotics - VITC, Chennai

- Contributed to building an Autonomous Underwater Vehicle (AUV) that secured 6th place in TAC Challenge - 2024, Norway. Integrated advanced sensors into 3 autonomous robots, boosting real-time data processing and securing top ranks in 2 inter-college robotics competitions.