Anirban Sikdar

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TECHNICAL SKILLS

Languages: Python, C++, Java, TypeScript
Backend: FastAPI, Django, REST APIs, Microservices
Frontend: React, Next.js
Machine Learning: Model Training, Model Evaluation, Feature Engineering
MLOps: MLflow, Model Versioning, Experiment Tracking
Data Processing: Pandas, NumPy
Cloud: AWS, Azure, Google Cloud
DevOps: Docker, Github Actions, CI/CD
Databases: PostgreSQL, MySQL, MongoDB

EDUCATION

Hyderabad Institute of Technology and Management   Hyderabad, India
Bachelor of Technology in Computer Science and Engineering (AI & ML)   *Aug 2021 – June 2024*

Central Institute of Tool Design   Hyderabad, India
Diploma in Automation and Robotics Engineering   *June 2018 – Aug 2021*

EXPERIENCE

Seanergy AI   Aug 2024 – Present
Associate Engineer   ***Skills:*** *Python, AI Pipelines, Cloud Integration (Azure, AWS), TTS/STT Systems*
- Designed and deployed production-ready AI services using Python, FastAPI, and REST APIs, improving system scalability and reducing latency by 30%.
- Built end-to-end machine learning pipelines covering data ingestion, feature engineering, model training, evaluation, and inference.
- Integrated MLflow for experiment tracking, model versioning, and reproducible training workflows.
- Developed Generative AI applications using Large Language Models (LLMs) deployed on AWS and Azure.
- Containerized and deployed services using Docker and Kubernetes with CI/CD automation.

Seanergy AI   Oct 2023 – May 2024
Intern   ***Skills:*** *UI Development, API Optimization, Agile Collaboration*
- Developed and optimized backend APIs using Django Rest Framework, delivering 30+ endpoints with a 25% reduction in response time.
- Improved frontend performance and responsiveness using React, supporting cross-device compatibility.
- Collaborated in agile teams to deliver backend and frontend features for production systems.

DigiQuanta IT Services LLP   Mar 2023 – Jun 2023
Developer Intern   ***Skills:*** *Automation, Embedded Systems, Efficiency Optimization*
- Spearheaded the development of a Delta robot for automated tomato sorting, increasing sorting accuracy by 30% and reducing manual inspection time by 20%.
- Improved embedded systems for real-time operations, cutting processing latency by 20% and boosting system performance, leading to a 15% increase in overall operational efficiency.

Eunoia Innovations   Jan 2022 – Jun 2022
Technology Engineer Intern   ***Skills:*** *IoT Integration, Collaboration, Sustainability Solutions*
- Engineered MQTT protocols for IoT communication in the Aquaskimmer project, boosting communication reliability by 25% and ensuring real-time performance for client applications.
- Engaged as the most junior member on a collaborative team of more than 10 individuals to drive project success through effective implementation of IoT strategies, leading to noticeable improvements in sustainability initiatives focused on resource management.

PROJECTS

Routio | *Next.js, Tailwind CSS, Django Rest Framework* May 2024
- Developed a server-side rendered web application using Next.js, reducing page load times by 30% and enhancing user experience.
- Optimized Django Rest Framework APIs, improving data retrieval efficiency by 20% and ensuring scalability for future features.

YUKI | *Cloud Computing, IoT, API Integration, Raspberry Pi, Google Cloud* Sep 2019
- Engineered an IoT-based emotion detection system with Raspberry Pi and Google Cloud, improving facial recognition accuracy by 40%.
- Integrated 15+ APIs, boosting system scalability by 40% and ensuring reliable high-load performance.