

# ANIKET MISHRA

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## EDUCATION

### EINDHOVEN UNIVERSITY OF TECHNOLOGY (TU/E)

Sep 2024 – Present

MSc, Data Science and Artificial Intelligence

Eindhoven, NL

Major Tracks: Data Mining and Machine Learning; Data Engineering and Management

Minor Track: Process Mining and Visual Analytics

### SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

June 2016 – Sep 2020

B.Tech, Computer Science and Engineering

Chennai, IN

First Class with Distinction

Thesis: Image Super-Resolution using Feedback Loops in GANs

## EXPERIENCE

### AVATHON (FORMERLY SPARKCOGNITION)

Mar 2021 – Jul 2025

Data Scientist / Data Engineer

Bengaluru, IN

- Designed and scaled real-time ETL pipelines for **10GW+ renewable energy assets**, cutting API/data transfer times and lowering cloud and infrastructure costs by **~55%**.
- Built a customizable anomaly-detection system for large solar, wind, and battery assets; configurable for any asset type, rule, or threshold, and flagged **~98%** false alarms and detected **>92%** missing alarms.
- Built predictive models to forecast device downtimes **2–4 months in advance**, with **>95% accuracy** for device health scores for failure detection.
- Authored a Python framework powering automations and ETL pipelines; adopted company-wide as the standard for renewable energy data processing. Reduced customer onboarding time from **2–3 months to 1 workday**.
- Optimized AWS Lambda and container-based ETL, reducing compute/storage costs by **48%**.
- Accelerated Elasticsearch historical data pulls from **4+ hours to ~15 minutes per asset**, improving analytics turnaround.
- Developed Streamlit apps for KPI validation, hyperparameter tuning, and model monitoring, used by **20+ stakeholders**.
- Mentored and onboarded **5+ new hires**, reducing onboarding time and improving project delivery efficiency.

### INFOSYS LTD.

Jan 2020 – Mar 2021

Systems Engineer, Data & Analytics (incl. Internship)

Mysore, IN

- Completed internship (Jan–Mar 2020), recognized as a **top performer** in **2 capstone projects** (Banking & Insurance).
- Managed ETL operations for **2000+ workflows** in Informatica PowerCenter, and performed client database and service migrations with **zero data loss**.

## PUBLICATIONS

### RCICD CONFERENCE, BEST RESEARCH PAPER AWARD

May 2020

- Mishra, A. et al. *Image Super Resolution using Feedback Loops in GANs*.

## HACKATHONS

**HAC-2020 (MLH Member Hackathon)** Technical Team Lead, Organizing Committee

Apr 2020 – Sep 2020

**HAC'KP 2020 Hackathon** Top Qualifier

Aug 2020

**IIT Madras Robotics Competition (Arduino)** Winner (1<sup>st</sup>)

Mar 2018

## PROJECTS

**Third Eye – Threat Detection System** A real-time facial recognition system using OpenCV and an Nvidia Jetson Nano; integrated with Kerala Police database for live threat detection and alerting.

**PDF Workbench** A browser-based toolkit to merge, filter, extract, reorder, and manipulate PDF files.

**Competitive Sudoku AI** Built AI agents for competitive Sudoku; achieved **Rank 9** in class cohort of 60+ teams.

**Full Archive** Complete project portfolio available on [[GitHub](#)] and [[Portfolio Website](#)].

## SKILLS

**Programming** Python, SQL, Rust, JavaScript, PySpark, C++, Bash, HTML, CSS

**Databases & Cloud** PostgreSQL, MySQL, InfluxDB, Elasticsearch, AWS, GCP, Docker, Airflow

**ML/AI Frameworks** Scikit-Learn, Statsmodels, PyTorch, Ollama, Transformers, AutoML, MLX, GenAI, LLMs, Stable Diffusion

**Tools** Git, Jira, Confluence, Swagger, Postman, jFrog, Excel, PowerPoint, Latex