

# Pranit Das

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Aspiring Data Scientist and AI Engineer with strong foundation in data analytics, machine learning and data visualization. Proficient in Python, Tableau, and deep learning techniques, with experience developing AI solutions and dashboards.

## EXPERIENCE

### Analyst - Data Engineer

June 2022 – Oct 2023

Mathco.

Bengaluru, KN

- Built and maintained sales dashboard on tableau for retail media team, empowering managers with actionable insights to find bottlenecks and improve performance and productivity by 20%
- Designed ETL pipeline architecture to aggregate unstructured data from multiple sources, creating a solid data foundation
- Led client calls to gather client requirements and delivered presentations to showcase work progress and results
- Developed a front-end tool for GCP cluster recommendations, suggesting optimal machine type, node count, and executors

### Analyst Intern

Jan 2022 – June 2022

Mathco.

Bengaluru, KN

- Performed customer segmentation to identify profitable customers, generating leads for credit card sales
- Performed EDA to understand customer demographics and spending patterns and conducted feature engineering
- Built dashboard on Co.dx(in-house visualization tool) to visualize key business KPIs

## SKILLS

**Technical Skills:** Python, Java, SQL, Latex, Git, Jira

**Artificial Intelligence:** Machine Learning, Deep Learning (TensorFlow), Hugging Face, Large Language Model, Vision, Tiny-mL

**Cloud & Data Engineering:** Data pipelining, GCP (BigQuery, Data-proc), Snowflake, *Workflow Automation:* Docker, Airflow

## PROJECTS

### Multi-Prompt Technique Ensemble [Publication - Accepted]

Mar 2025 – Oct 2025

AI in Education

Python, TensorFlow, Scikit Learn, Hugging Face, LLM, API

- Developed a context aware framework with role-based reasoning to classify questions into Bloom's Taxonomy levels
- Demonstrated that multi-prompt ensembling with role-based reasoning improves question classification robustness compared to single-prompt baselines (best reported: 0.79 acc / 0.77 F1)

### Human Activity Detection

Mar 2025 – Apr 2025

Smart Device

Python, TensorFlow, Tiny-mL

- Created hierachal classification model to classify human movement into seven categories
- Assembled a GY-91 sensor and ESP32-S3 to collect human activity data and achieving 92% accuracy

## EDUCATION

### National Institute of Technology, Durgapur

Durgapur, WB

M.Tech. in Computer Science, Data Science and Artificial Intelligence

Aug 2024 – Present

### Kalinga Institute of Industrial Technology

Bhubhaneshwar, OD

B.Tech. in Aerospace minor Software

July 2018 – May 2022

## EXTRA-CURRICULAR

- **Soft Skills:** Leadership, Problem-Solving, Innovation, Storytelling, Teamwork, Quick Learning, Proactive, Prompting, Research
- **Awards:** Mathco. Value Award (2023), Mathematics Olympiad 3rd (class 6), Mathematics Olympiad 1st (class 11)
- **Hobbies:** Football, Trading, Reading Technology articles, Fitness, Volunteering