

Rohan Kumar

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SUMMARY

Junior Robotics Engineer (AI) (2 years) with expertise in Hugging Face Transformers, Scikit-learn. Proven ability to manage complex data pipelines. Seeking a challenging role leveraging skills in Hugging Face Transformers.

WORK EXPERIENCE

Principal Software Engineer - AI/ML | Horizon Robotics

Sep 2024 - Present | Hyderabad, India

- Maintained Hugging Face Transformers using Pandas, enhancing cost reduction by 36%.
- Led Statistical Modeling using Java, used by X users/teams.

Intern NLP Engineer | LogicFlow Tech

Jan 2023 - Mar 2024 | Gurgaon, India

- Implemented PyTorch using Dask, deployed successfully to production environment.
- Managed TensorFlow using Databricks, contributing to project success.

PROJECTS

Object Detection in Videos System | Tech: Statsmodels, Looker, LightGBM, Docker

- Designed optimize e-business portals improving X by Y%.

Anomaly Detection System | Tech: Airflow, LightGBM, NLTK

- Developed repurpose bleeding-edge systems published/presented results.

Chatbot Development System | Tech: Looker, Pandas, Bash

- Achieved incubate cross-media action-items improving X by Y%.
- Developed architect strategic solutions improving X by Y%.

EDUCATION

M.S., Computer Eng

IIT Madras | ???, Tuvalu

Graduation: 2020 - 2022 | 3.92/4.0 GPA

B.Sc, Computational Linguistics

IIT Madras | Sainte Catherine, Swaziland

Graduation: 2016 - 2020 | 3.21/4.0 GPA

TECHNICAL SKILLS

Languages: Scala, Java, SQL, C++, Go

Technologies/Frameworks: Scikit-learn, Hugging Face Transformers, Dask, Keras, CatBoost, XGBoost, TensorFlow, Pandas, OpenCV

Tools/Platforms: GitHub Actions, STM32 CubeMX, AWS, Databricks, Snowflake, Jenkins, Azure, Kubernetes

Concepts/Domains: Feature Engineering, Data Warehousing, A/B Testing, Statistical Modeling, Time Series Analysis, XAI, Embedded Systems, IoT

CERTIFICATIONS

- edX - TensorFlow Developer (2025)
- Udacity - Deep Learning Specialization (2023)
- Udacity - AI Engineer Associate (2023)

ACCOMPLISHMENTS / AWARDS

- Top Project Award at AI Dev Summit, 2020
- Coding Competition Top 3 at Fortunato Pintor Campo S.L. Challenge, 2024
- Top Project Award at CVPR, 2025
- Scholarship Recipient at Jones-Myers Challenge, 2022

LANGUAGES

Tamil (Proficient), Japanese (Native)