

Mithun Majumdar

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EDUCATION

Jawaharlal Nehru University

M.Tech in Statistical Computing

New Delhi, India

Jan 2018 – May 2021

Mizoram University

Bachelor of Technology in Information Technology

Aizawl, India

Aug 2014 – May 2018

EXPERIENCE

AI Tech Lead

Jan 2024 – Present

HaiX AI

London, England, United Kingdom (Remote)

- Led the development of APIs to display social media data and provide AI-driven insights into key performance indicators (KPIs).
- Designed and implemented scalable Python scripts to extract data from various social media platforms, ensuring data quality and consistency.
- Applied advanced AI models, including Large Language Models (LLMs), to derive actionable insights from social media data, enabling more precise decision-making.
- Implemented multi-modal approaches to analyze and drive insights from diverse data types, including video, text, and images, enhancing the depth and accuracy of analytics.
- Collaborated with cross-functional teams to deliver real-time analytics and customizable dashboards for social media performance tracking.

Data Scientist

London, England, United Kingdom (Remote)

HaiX AI

Jul 2022 – Jan 2024

- Built machine learning pipelines to process and analyze social media data at scale.
- Developed predictive models to evaluate and optimize social media KPIs, including engagement, reach, and sentiment analysis.
- Automated data extraction, cleaning, and pre-processing workflows to streamline AI-driven analysis.
- Leveraged multi-modal AI techniques to integrate insights from text, images, and video content, ensuring a comprehensive understanding of social media trends.

Junior Research Fellow

Jul 2021 – Jun 2022

Indian Institute of Technology (Indian School of Mines)

Dhanbad, India

- Designed and developed a neuro gadget for predicting coal parameters to assess the risk of fire occurrence.
- Utilized machine learning models to analyze real-time data and identify early warning signals for fire hazards in coal mines.
- Conducted extensive research to optimize prediction algorithms and ensure reliable performance in high-risk environments.
- Collaborated with interdisciplinary teams to validate the gadget's effectiveness and integrate it into safety protocols.

AI Intern

London, England, United Kingdom (Remote)(Part-time)

HaiX AI

Jun 2021 – Jun 2022

- Explored and implemented machine learning algorithms to optimize data pipelines and improve model accuracy.

PROJECTS

Computer-Aided Segmentation for Oral Cancer Detection | *Python, OpenCV, MATLAB*

- Designed a segmentation system to classify epithelium layers of histopathological images.
- Improved classification accuracy by refining k-means clustering initialization.

Multi-Modal Data Analysis System | *Python, TensorFlow, PyTorch*

- Developed NLP pipelines for multi-modal datasets to enhance AI model robustness.
- Applied transfer learning techniques to improve performance on smaller datasets.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL, R

Frameworks: PyTorch, TensorFlow, OpenCV, Flask, React, FastAPI

Developer Tools: Git, Microsoft Azure platform, Visual Studio

Core Competencies: NLP, Image Segmentation, Deep Learning, IoT