

Rohit Midha

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EDUCATION

- **Imperial College London** London, United Kingdom
MSc Computing (Artificial Intelligence and Machine Learning) Sept. 2023 – Sept. 2024
- **SSN College of Engineering, Anna University** Tamil Nadu, India
Bachelor of Engineering in Computer Science and Engineering; GPA: 9.2/10 Aug. 2017 – July 2021
University Rank: #10, College Rank: #3

EXPERIENCE

- **Shrimad Rajchandra Mission, Dharampur**
AI Engineer December 2022 – Present
 - **Multilingual AI:**
 - * Engineered personalized text-to-speech synthesis models across eight languages, embodying Gurudev's unique vocal essence, thereby broadening access to spiritual wisdom. [View Global Launch!](#)
 - * Implemented Speech to Translated Text (S2TT) and Automatic Speech Recognition (ASR) pipelines to automate subtitling and translation processes for various low resource Indian languages.
- **Langchain**
Open Source Contributor May 2023 – Present
 - **LangchainJS:**
 - * Implemented various LLM chains, such as the Refine LLM Chain for long form documents.
 - * Introduced Entity Memory store in that interacts with LLM Chains and Prompt Templates to provide entity context.
- **Goldman Sachs**
Engineering Analyst August 2021 – May 2023
 - **Risk Analysis and Review Engine (RARE):**
 - * By automating archaic workflows, RARE lowers costs and improves the quality and UX of the review process.
 - * Designed backend architecture for early detection of anomalies, increasing anomaly detection by 30%.
 - * Designed the Stats and Management Dashboard to provide high-level insights to senior management.
 - * Mentored and trained 5 graduate-level software developer new hires.

RESEARCH: POSTERS, PUBLICATIONS AND TALKS

- **A Low-Cost Solution to the Open Images Instance Segmentation Challenge:** Poster accepted at International Conference on Computer Vision (ICCV), 2019. [Poster here.](#)
- **Transfer Learning for International Crisis Response:** Talk and Presentation at the Challenge Track of Applied Machine Learning Days (AMLDD), 2020. [Slides here.](#)

ACHIEVEMENTS

- **Runner Up, Goldman Sachs Hackathon:** 2022
- **Rank 2, Transfer Learning for International Crisis Response, DEEP - AICrowd:** Jan 2020
- **Merit Scholarship, SSN College of Engineering:** 2017-18, 2019-20
- **Winner, AstraZeneca AI Hackathon:** Jan 2020

PROGRAMMING SKILLS

- **Languages:** Python, SQL, Java, JavaScript, HTML, CSS
- **Frameworks and Technologies:** React, NodeJS, Kubernetes, Docker, PyTorch, Langchain, HuggingFace, GCP, AWS, Replicate, TailwindCSS, NextJS