

RIYA RAHIM K

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Education

Indian Institute of Technology Madras

B.Sc in Data Science and Applications

Jun 2023 – May 2027

Chennai, Tamil Nadu

Sardar Vallabhbhai National Institute of Technology, Surat

B.Tech in Civil Engineering

Jun 2023 – May 2027

Surat, Gujarat

Hill Blooms School (CBSE)

Class 12 (PCMB): 93% — Class 10: 95%

May 2022

Wayanad, Kerala

Relevant Coursework

- Data Structures
- Machine Learning
- Artificial Intelligence
- Data Analysis
- Software Engineering
- Probability & Statistics
- Deep Learning
- Generative AI

Experience

McKinsey & Company

Forward Learning Programme

March 2026 - May 2026

Remote

- Selected for McKinsey's Forward Learning Programme; trained in structured problem-solving, data-driven decision-making, and consulting case analysis.

Swiggy

Content & Marketing Intern

Jun 2023 – Jun 2024

Remote

- Designed marketing creatives aligned with brand campaigns.

Projects

Quant Quest: Probability-Based Strategy Game Platform

Jun 2025

- Architected and led Quant Quest, a probability and Bayesian inference-based gaming platform with 20+ original games.
- Designed modular game engines, scoring algorithms, and simulation pipelines to manage virtual coins and cumulative profits across games.
- Enabled 400+ participants to interact independently via RESTful API endpoints with real-time state management.
- Integrated leaderboards, real-time updates, and interactive gameplay mechanics, receiving highly positive feedback for technical depth and engagement.

AI News Summarization & TTS App

Dec 2024

- Developed an ML-powered application for news summarization, sentiment analysis, and Hindi text-to-speech.
- Implemented NLP pipelines for topic extraction, sentiment scoring, and comparative analysis.
- Built a Streamlit-based interactive UI, deployed on Hugging Face Spaces, supporting real-time processing and dynamic user interaction.

Technical Skills

- **Programming Languages:** Python, Java, JavaScript (Node.js, React), TypeScript, SQL, HTML, CSS
- **Frameworks & Libraries:** MERN Stack, Flask, Django, Streamlit, Jinja2, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Hugging Face Transformers
- **Data Science & AI:** NLP, Text-to-Speech, Sentiment Analysis, News Summarization, Deep Learning, Generative AI, Probability & Statistics, Bayesian Inference, Data Analysis & Visualization (Matplotlib, Seaborn, Plotly)

Achievements & Extracurricular

- **Networking and Marketing Head, Quantix** – The Quantitative Finance and Consulting Club: Led outreach and marketing for a community of 600+ members; organized sessions, meetings, and competitions.
- **Inter NIT Volleyball Player:** Represented NIT Surat in inter-NIT tournaments.
- **Fetch.ai AI Agent Hackathon Winner:** Built three AI agents – KrishiKripa (farmer empowerment), Daya (women's safety), and Climate Guard (climate wellness) – leveraging AI for impactful real-world applications.
- **Open Source Contributor, Layer5 (Meshery):** Contributed to Meshery, a CNCF project for managing and benchmarking service meshes; enhanced UI/UX, improved contributor documentation, and optimized GitHub workflows.
- **Naukri Campus Young Turks Skill Contest:** Ranked in the top 1% overall; secured Rank 245 in Accounting and Finance, and Rank 947 in Coding, Data Science, and AI.
- **Languages:** English (Advanced); Hindi (Intermediate); Malayalam (Native); Arabic (Reading and Writing).