

Rikas Mohamed N

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Education

Mangalam College Of Engineering

Computer Science And Engineering

Ettumanur, Kerala

2021 – 2025

Bishop Moore Vidyapith

Highschool

Krishnapuram, Kerala

2018 – 2020

Experience

Torc Infotech

AI/ML Intern

May 2023

Cochin, Kerala

- Acquired essential skills during the internship focused on the fundamentals of Artificial Intelligence and Machine Learning, gaining hands-on exposure to key concepts and workflows.
- Familiarised with both supervised and unsupervised learning algorithms.
- Contributed to a mini-project involving real-world data, evaluating model performance using metrics like accuracy, precision, and F1-score.
- Collaborated with team members in a fast-paced environment, attending weekly reviews and sharing progress updates.

Facein Technologies Pvt Ltd

Python Developer Intern

December 2024

Cochin, Kerala

- Acquired hands on experience through the internship in Python programming, enhancing skills in automation, data handling, and real-world scripting techniques.
- Contributed to a mini project involving task automation that improved team productivity.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Explored use of Python for web scraping using libraries like BeautifulSoup.

Projects

Class Management web app | Python, Django, HTML

April 2024

- Developed a full-stack web application covering all class management activities including attendance marking and monitoring, fee management and managing individual student information.
- Enabled direct handling of tasks like fee management and student data updates by teachers resulting in improved workflow efficiency and better workload distribution.
- Built user-friendly interfaces for administrators and educators, streamlining classroom data management tasks.

Real-time Cyclone Alert and Location Monitoring System |

Python, ML(Random Forest), React, React Native, Node js, REST api

March 2025

- Developed a real-time cyclone alert system to predict and monitor cyclone patterns.
- Implemented a cross-platform mobile app to provide real-time alerts and tracking features.
- Integrated a location monitoring system to track provide assistance to individuals trapped in the danger zone.
- Integrated SMS based alerts to account for non smartphone users enhancing the capability and inclusivity of the warning system.
- Project was shortlisted for University funding for its potential impact on disaster preparedness.

Smart Resume Matcher | Python, NLP (Sentence-BERT), SymSpell, Scikit-learn

July 2025

- Designed and implemented an AI-powered resume matcher that compares candidate resumes to job descriptions for accurate semantic relevance scoring.
- Built a modular NLP pipeline with advanced preprocessing, enhancing data quality for embedding generation.
- Calculated match percentile ranks and applied recruiter-defined thresholds to shortlist candidates automatically.
- Built a modular pipeline for reading PDF and text files, cleaning text, extracting features, and presenting results in an interpretable format.

Certifications

Python Fundamentals

Coddy.tech

December 2023

Remote

- Enhanced coding skills through Python Fundamentals course led by Kovid Panthy, covering core programming concepts.

Technical Skills

Languages: Java, Python, C , SQL , HTML, React Native, React js, Node js

Frameworks: Django, Numpy, Pandas, NLTK, Gensim (Word2Vec), Scikit-learn, SymSpellPy, BeautifulSoup

Technologies: VS Code, PyCharm, IntelliJ, Jupyter Notebook, Google Collab, Git, Cursor

Achievements

- Developed and launched a Web Application for Class Management, enhancing academic workflow efficiency and guiding colleagues in full-stack development techniques.
- Coordinated a cross-disciplinary team to develop a real-time Cyclone Disaster Prediction and Management System for a final year project, aiming to improve community safety.
- The project from the final year on Disaster Prediction and Management has been selected for university funding.
- Achieved a CGPA of 7.47 with a spotless academic record and was recognized as the SGPA topper on two occasions throughout the course.