

# Rikas Mohammed N

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## ABOUT ME

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Computer Science and Engineering student with a strong foundation in Python, AI/ML, NLP and full-stack development.

## EDUCATION

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**Mangalam College Of Engineering**  
*Computer Science And Engineering*

Ettumanur, Kerala  
2021 – 2025

**Bishop Moore Vidyapith**  
*Highschool*

Krishnapuram, Kerala  
2018 – 2020

## EXPERIENCE

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**AI/ML Internship**  
*Torc Infotech*

May 2023  
Kochi, 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.

**Python Fundamentals Course**  
*Coddy.tech*

December 2023

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

**Python Internship**  
*FaceIn Technologies Pvt Ltd*

December 2024  
Kochi, Kerala

- Acquired hands on experience through the internship in advanced Python programming, enhancing skills in automation, data handling, and real-world scripting techniques.

## PROJECTS

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**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
- Developed the backend using with Python and Django providing fast and efficient performance
- Developed an engaging and interactive interface using HTML and CSS

**Real Time Cyclone Alert and Location Monitoring System** |  
*Python, ML(Random Forest), React Native, node js*

March 2025

- Developed a real-time cyclone alert system using Python and machine learning (Random Forest) to predict and monitor cyclone patterns.
- Integrated React Native for a cross-platform mobile app to provide real-time alerts and tracking features.
- Used Node.js for backend services, including real-time data handling and communication with the app.
- Integrated a location monitoring system to track individuals trapped in the danger zone and to provide assistance if required

**Smart Resume Matcher** | *Python, NLP ( Word2Vec), SymSpell, Scikit-learn*

April 2025

- Developed an AI-powered resume matcher that compares resumes with job descriptions using NLP techniques like Word2Vec to assess semantic similarity and quantify candidate.
- Implemented text preprocessing with HTML/URL removal, lemmatization, stopwords filtering, and spelling correction using SymSpell to enhance matching accuracy.
- Used cosine similarity to generate relevance scores and identify matched and missing keywords between resume and job description.
- Built a modular pipeline for reading PDF and text files, cleaning text, extracting features, and presenting results in an interpretable format.

## ACHIEVEMENTS

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- **Developed a Class management app** using django and html for mini project
- **Developed a Disaster Prediction and Management System** for Cyclones as final year project
- **Final Year project** for Disaster Prediction and Management got **shortlisted for University Funding**
- Academic achievement of **7.56 cgpa with no backlogs** and was honored as sgpa topper twice during the curriculum

## TECHNICAL SKILLS

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**Languages:** Java, Python, C , SQL , HTML, React Native

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

**Developer Tools:** VS Code, PyCharm, IntelliJ, Jupyter Notebook, Google Collab, Git