

Muhammed Rayan

SOFTWARE ENGINEER

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ABOUT ME

CS grad "26 (B.Tech) with hands-on and professional experience in software engineering and machine learning. Skilled at building robust, maintainable systems using modern web technologies and clean engineering practices. Proven ability to solve complex problems and deliver production-ready software.

EXPERIENCE

Software Engineer

March 2026 - Present

Deelo · Kottayam, Kerala, IN

- ▶ Built E2E features with Next.js and MongoDB.
- ▶ Contributed to the system design of Deelo Shops Verticle.
- ▶ Participated in product engineering and feature development.
- ▶ Executed end-to-end (E2E) testing.
- ▶ Fixed bugs and delivered feature enhancements .

Software Engineer Intern

Oct 2025 - Feb 2026

Auctapace Technologies · Mumbai , Remote

- ▶ Built and shipped end-to-end features using React and Spring Boot.
- ▶ Resolved bugs, enhanced application features, and wrote automated E2E tests.
- ▶ Contributed to feature design, system design, and technical workflow documentation.

KEY PROJECTS

InterLink - Tech Event Platform

Jan 2025 - Mar 2025

- ▶ Developed end-to-end event publishing, booking, and ticket management workflows.
- ▶ Built an admin dashboard with ticket validation and JWT-based role authentication.
- ▶ Managed project lifecycle from system design and database architecture to final deployment.

Automated Intracranial Aneurysm Detection using nnU-Net + MedGemma

Aug 2025 - Apr 2026

- ▶ Developed a hybrid AI pipeline combining nnU-Net, EDT Blob Regression, and MedGemma for IA detection.
- ▶ Built scalable REST APIs for medical image preprocessing, segmentation, and vision-language analysis.
- ▶ Processed RSNA datasets in DICOM/NIfTI formats across 13 anatomical aneurysm locations.
- ▶ Benchmarked MedGemma and nnU-Net to optimize detection and segmentation performance.

EDUCATION

B.Tech in Computer Science and Engineering

College of Engineering Kidangoor

2022 - 2026

CGPA: 8.45

Higher Secondary (Science)

Razi International School

2019 - 2021

93.2%

SKILLS

LANGUAGES

JavaScript TypeScript Python

C/C++ Java SQL HTML/CSS

C#

FRAMEWORKS & TECHNOLOGIES

React.js Next.js Node.js

Spring Boot REST APIs PostgreSQL

MongoDB ML TensorFlow

Scikit-learn LangChain LangGraph

LLMs

DEVOPS AND TOOLS

Git CI/CD Testing/QA Docker

ENGINEERING PRACTICES

OOPs SDLC System Design Agile

Scrum Code Reviews

CERTIFICATIONS

- ✓ HackerRank SQL (Advanced)
- ✓ Kaggle Machine Learning
- ✓ Deloitte Data Analytics Simulation

LANGUAGES

- English (Conversational)
- Malayalam (Native)
- Arabic (Literate)