

Rohan Mukka

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EDUCATION

University of Oklahoma

Master of Science in Computer Science — GPA: 4.0/4.0

Oklahoma, United States

Aug 2024 – May 2026

CVR College of Engineering

Bachelor of Technology in Computer Science and Engineering (Minor in AI/ML) — GPA: 9.1/10.0

Hyderabad, India

Aug 2020 – May 2024

EXPERIENCE

ML Engineer Intern

Internpe

Jul 2024 – Aug 2024

Remote

- Developed and fine-tuned ML models using **Python**, **TensorFlow**, **Scikit-learn**, improving prediction accuracy by 20%.
- Optimized preprocessing and feature engineering, reducing training time by 15%.
- Collaborated with a cross-functional team to deploy AI/ML solutions, boosting project efficiency by 10%.

PROJECTS

BEnFIT – Decentralized Fitness Accountability | GitHub | Demo

Apr 2025

- Built two **ETH**-staking models for fitness goals: Lock-and-Release (solo) and Redistribution (group).
- Developed smart contracts with a React frontend and OAuth-secured backend.
- Outperformed Sweatcoin and StepN in decentralization, fairness, and flexibility.

Internship Program Management System | GitHub

Jan 2025

- Built internship modules (A.1–A.3) for requests, tracking, and evaluations, boosting submission efficiency by 30%.
- Automated Supervisor and Coordinator approvals with reminders, cutting manual follow-ups by 50%.
- Improved compliance with OU CS requirements using dashboards and outcome mapping, increasing accuracy by 40%.

Diagnostic System for Medical Inference

Mar 2024

- Designed a hybrid rule-based + ML system using **Python**, **Protégé**, **SWRL**, improving diagnostic accuracy by 25%.
- Structured medical knowledge using ontologies and symptom-based rule matching.
- Applied ML to resolve inconclusive rule-based scenarios for enhanced results.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL, Kotlin, C, HTML/CSS

Frameworks/Tools: React.js, Node.js, Firebase, Bootstrap5, Google Cloud, TensorFlow, Scikit-learn

Teaching Tools: Zoom, Google Classroom, GitHub, VS Code

Platforms: Linux/Unix, Windows, Git, Microsoft Office Suite

CERTIFICATIONS

- University of Michigan: Python Data Structures
- Wipro: Artificial Intelligence Foundation
- Networking Essentials by Cisco
- Wipro: Java Full Stack
- University of Pennsylvania: Java and OOP

LEADERSHIP & ACTIVITIES

Mentored 50+ students in web development and problem-solving at GDSC Bootcamp, improving peer learning and project quality.

Organized hackathons and coding events as a GDSC member, enhancing leadership and full-stack development skills.

Contributed to IEEE workshops and AI/ML projects through collaborative technical initiatives.