

Mustafa Akolawala

Mumbai, India | mustuakola@gmail.com | +91 9833895353
[linkedin.com/in/mustafa-akolawala](https://www.linkedin.com/in/mustafa-akolawala) | github.com/MustafaAkolawala | leetcode.com/mustuakola

Skills

Languages: C/C++, Java, Python, JavaScript, SQL

Artificial intelligence & data Science: Machine learning, Deep learning, Data visualization, Statistical Analysis, Natural language processing (NLP), Generative Ai (LLM, GAN, DM)

Backend Development: RESTful APIs, Database Management (MongoDB, PSQL)

Devops: AWS (EC2, S3, Lambda, RDS), docker

Work Experience

Apnabot, Mumbai | Backend Engineer

Jan 2024 - Feb 2024

- Enhanced ApnaBot chatbot communication via APIs, resulting in a 30% user experience boost.
- Optimized data management with Zoho CRM integration, achieving a 20% efficiency gain.
- Expanded chatbot capabilities with WhatsApp Business and Facebook integration, driving a 40% increase in user engagement.
- Automated email, SMS, and payment gateway tasks, streamlining operations by 50% and saving 20 hours weekly.
- Implemented DevOps practices with Docker and AWS Lambda, accelerating deployment by 50% and cutting costs by 30%.

Education

Rizvi College of engineering, Mumbai

July 2021 - May 2025

B.E. in Computer Science and Engineering

CGPA:8.94/10

Minors in Artificial intelligence and Machine learning

Project Work

TPAT — React, Postgres, MongoDB, Node, Docker, Python(NLTK)

[View on Github](#)

- Created Teacher Performance Assessment Tool integrating performance metrics, boosting teacher efficiency by 20%.
- Introduced ranking system and personalized psychological assessments, enhancing teacher satisfaction by 25%.
- Incorporated sentiment analysis to identify feedback trends.

Khetibaadi — PERN(APIs and Map) + Python(OpenCV, Tensorflow, Torch)

[View on Github](#)

- Developed Khetibadi, a web app for farm planning with integrated monitoring system and NLP chatbot.
- Utilized ML for crop and fertilizer recommendation, improving yield by 20%.
- Integrated ResNet model for plant disease detection, achieving 98% accuracy.

Achievements and Awards

- Secured second place in a national-level hackathon, outperforming 1500 teams across 15 states.
- Founded and led the college's CodeCell, spearheading a group of 20 individuals and organizing diverse coding-centric events to foster a coding culture.
- Led as Head Chief of the IRMUN Nexus department, orchestrating numerous international Model United Nations conferences and guiding a team of 200 members.