

# Mugdha Loyal

## Achievements

Achievement 1: Developed a decentralized, AI-powered recommendation system using blockchain technology (Web3) and a custom-built frontend, significantly improving user engagement by 30% compared to a centralized alternative in a capstone project. The backend utilized optimized algorithms honed through competitive programming experience.

Achievement 2: Created a high-performance, scalable backend API for a competitive programming platform featuring real-time leaderboards and automated problem grading. This project integrated machine learning models for predicting problem difficulty and user skill level, demonstrating proficiency in AI/ML, backend development, and large-scale system design.

## Skills

- \* Machine Learning Model Development
- \* Smart Contract Development (Solidity)
- \* Algorithm Design and Optimization
- \* JavaScript Frameworks (React, Angular, Vue.js)
- \* REST API Development

## Personal Info

Name: Mugdha Loyal

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College: College of Engineering Pune (COEP)

## Career Objective

To leverage AI/ML, Web3, and full-stack development skills in a challenging role, contributing to innovative and impactful projects. Seeking a position where I can apply competitive programming expertise to solve complex problems.