

# Mukund Chavan

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B.Tech - Electronics and Telecommunications  
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CodeChef | LeetCode | Codeforces

## EDUCATION

Degree	Institute/University	SGPA/Grade	Year
B.Tech	MIT Academy of Engineering, Pune	7.27/10	2023-2027
Major	Indian Institute of Technology, Ropar	9.6/10 (Capstone)	2024-2025

## EXPERIENCE

- SortUs, Pune - Software Engineering Intern (AI/ML) | GitHub | Certificate** June 2025 - Aug 2025  
*Summer Internship - Role: AI/ML Feature Development* Pune, Maharashtra
  - Built ML-driven Green Points engine using **FastAPI & Random Forest** for real-time reward prediction.
  - Automated e-waste pricing via **multi-feature regression** and achieved **accuracy of  $R^2 = 0.85+$** .
  - Integrated **AI microservice** into a **Node.js/MongoDB** stack with **JWT-secured** wallet transactions.
- EduSkills, AICTE - Google For Developers Virtual Internship | Certificate** July 2024 - Sept 2024  
*Summer Internship - Role: AI/ML Training & CodeLabs* Pune, Maharashtra
  - Completed a 10-week AI-ML virtual internship supported by Google Developers.
  - Trained **CNNs** and fine-tuned models for real-world object detection using **TensorFlow**.
  - Applied data augmentation to optimize accuracy for production-grade scenarios.

## PROJECTS

- FinMate: Smart UPI-Based Expense & Budgeting Assistant** Nov 2025 - Ongoing  
*Tech Stack: React Native (Expo), TypeScript, Regex, SQLite, Zustand, React Navigation* GitHub
  - Built an SMS-based UPI parser with **92%+ accuracy** for extracting **amount, merchant, and UPI ID**.
  - Added **SQLite-backed** transaction & budget CRUD and **Zustand state management** with modular UI.
- Apta: Smart Lifestyle & Learning Recommender** Sept 2025 - Oct 2025  
*Tech Stack: Next.js, FastAPI, scikit-learn, TF-IDF, Zustand, Tailwind CSS, Python* GitHub | Live
  - Built **TF-IDF vectorization + cosine similarity**, to get accurate recommendation over 150 lifestyle items.
  - Created **time/interest-based filtering, reducing** irrelevant suggestions by **70%** through scoring algorithms.
- Conversational AI: Memory-Aware Document Q&A** June 2025 - July 2025  
*Tech Stack: React.js, FastAPI, LangChain, FAISS, Gemini API, Docker, Python, RAG Architecture* GitHub
  - Developed a **RAG-based** chatbot with **FAISS** for document search & context-aware multi-mode Q&A.
  - Integrated **LangChain** memory and achieved **100% API test coverage** for robust, persistent conversations.

## TECHNICAL SKILLS

- Frameworks & Languages:** Python, C++, JavaScript, HTML/CSS, React.js, Next.js, Node.js, FastAPI
- Cloud & Tools:** Git CI/CD, REST APIs, Express.js, MySQL, Socket.io, Docker, Vite, Chart.js, Colab
- AI/ML & Data:** TensorFlow, PyTorch, Scikit-learn, HuggingFace, Pandas, NumPy, Regex, NLP, CNN
- Coursework:** Data Structures & Algorithms, OOP, AI & Machine Learning, Operating System, DBMS

## ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- Competitive Programming:**
  - Solved **700+** **Problems** across platforms like **CodeChef, LeetCode & Codeforces**.
  - CodeChef:** Rating **1682** | **3 Stars** | **Top 4.73%** | Solved **400+** problems | handle: **mukundc**
  - LeetCode:** Rating **1668** | **Top 15.58%** | Solved **200+** problems | handle: **mukund2503**
  - CodeForces:** Pupil with the rating of **1210 (Max)** | handle: **mukundc**
  - Contest Achievements:**
    - 2X Top 100** in CodeChef Contests | Achieved ranks **18** & **72** in CodeChef Starters 196 & 199.
    - Held a global rank of **1950/27000+** participants in LeetCode Biweekly 158.
    - Secured a global rank of **5458/30000+** participants in Codeforces Round 1041, Div. 1 + Div. 2.
- Amazon ML Challenge 2025:** Ranked in **Top 12%** among **6500+** **teams** who participated in the challenge.
- Adobe India Hackathon 2025:** Competed among **2.5 lakh+** participants and **95,000+** **teams** in the challenge.