

# Rohan Mahakalkar

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**Professional Summary** — Full Stack Developer with 2+ years of experience in designing, developing, and deploying scalable web applications. Proficient in front-end frameworks (React.js, Angular), backend development (Python, FastAPI), and CI/CD tools (Jenkins, Docker). Hands-on expertise in REST APIs, MongoDB, SQL, cloud technologies (AWS), and Agile methodologies. Strong background in testing frameworks like Vitest, RTL, and Pytest.

## Skills

**Frontend** React.js, Angular, TypeScript, JavaScript, HTML, CSS  
**Backend** Python, FastAPI  
**Database** MongoDB, SQL, Firebase

**Cloud** AWS (EC2, S3, Lambda)  
**DevOps** Jenkins, Docker, Git, CI/CD Pipelines  
**Testing** Vitest, React Testing Library (RTL), Pytest  
**Tools** VS Code, Postman, Figma, GitHub Copilot  
**Other** REST APIs, Agile, Unit Testing, Flutter

## Experience

### Persistent Systems – Client: Cisco

Sept 2023 – Present

Frontend Engineer / Fullstack Developer

#### Taccs / Micropersonas

- Migrated legacy Cisco UI to Magnetic React using TypeScript and React.js, reducing maintenance by 30%.
- Built service-offer mapping and dynamic table UI for 50+ customer offerings.
- Improved data filtering with MongoDB aggregations, enhancing query speed.
- Added export (CSV, Excel, PDF), markdown editor, and attribute change alerts.
- Replaced legacy tables with reusable components, cutting UI bugs by 25%.
- Integrated SonarQube scanning in Jenkins pipeline to automate vulnerability checks.

#### HWS (Hybrid Work Schedule)

- Built shift alert system to monitor role-based threshold breaches across 100+ shifts.
- Designed shift creation UI, reducing manual configuration time by 40%.
- Implemented badge indicators to show real-time slot availability.
- Improved onboarding UX by ~25% through streamlined user assignment flow.

#### Fullstack Template App

- Created Cookiecutter-based fullstack project template for rapid prototyping (60% setup time reduction).
- Designed modular APIs with FastAPI, supporting scalable component-based microservices.
- Enabled auto-inventory joins for real-time order and tool tracking system.

### Well Played Sports Management – Nagpur, India

Oct 2021 – Jan 2022

Android (Flutter) Developer Intern

- Built 'Team Member' CRUD module and video-based Learning Center using Flutter and Firebase.
- Implemented shareable video player and user activity tracker using third-party Dart packages.

## Education

### Government College of Engineering, Nagpur

Bachelor of Engineering in Computer Science Engineering

CGPA: 9.16/10

#### Certifications

- AWS Certified Cloud Practitioner – Amazon Web Services (2024)
- Python for Everybody Specialization – University of Michigan (2023)
- Programming Foundations with JavaScript, HTML and CSS – Duke University (2023)
- AI for Everyone – DeepLearning.AI (2023)
- PDEA Certification: React, Angular, Python – Persistent Systems (2024)

## Personal Projects

#### CodeAware

Feb 2022

- Developed Android app that sends notifications for upcoming contests across Codeforces, LeetCode, etc.
- Enabled real-time filtering based on user preferences and integrated Firebase notifications.
- **Stack:** Flutter, Dart, Firebase, Django, Heroku, REST APIs.

#### Student Placement Prediction

- Implemented logistic regression model to predict placement eligibility using student academic profiles.
- Used real-world dataset from Kaggle. Visualized data using Pandas and Matplotlib.
- **Stack:** Python, Scikit-learn, Jupyter Notebook.