

# Riddhi Patel

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## Education

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**Vidyavardhini's College of Engineering and Technology**, University of Mumbai  
Bachelor of Engineering in Information Technology

Expected May 2026

- Cumulative GPA: 8.84 / 10.0
- **Relevant Coursework:** Data Structures & Algorithms, DBMS, Machine Learning, Cloud Computing, Web & Mobile App Development

## Work Experience

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**Backend Engineer (SDK Team)**, BrowserStack

Jan 2026 - Present

- Engineered Reqrroll + MSTest automation frameworks in C# for App Accessibility validation and scalable SDK regression workflows.
- Designed and maintained vanilla Ruby automation scripts for App Automate SDK integrations and test observability pipelines.
- Diagnosed and fixed Playwright (Node.js) session persistence issues where sessions were not initializing correctly, improving automation stability.
- Strengthened cross-platform SDK testing infrastructure, improving automation reliability across CI/CD pipelines.

**Software Developer Intern**, LegalGini (LegalTech Startup)

June 2025 - Oct 2025

- Led backend feature engineering on LegalGini's Django-based platform, contributing to core product architecture in a high-growth startup environment.
- Collaborated closely with the CEO to design and implement Docker and Docker Compose setups for local development and containerized deployment.
- Optimized OCR and document-processing pipelines, improving throughput by 87% using PyMuPDF, pdfplumber, and AWS Textract.
- Integrated Redis and Celery to enable asynchronous task execution in distributed backend workflows, improving API responsiveness.
- Architected threaded AI workflows to improve concurrency handling in scalable services.
- Engineered document analysis pipelines using Gemini, OpenAI, Pinecone, and LangChain for concurrent processing.

## Projects

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**YogaBliss – Mobile App (Flutter + TensorFlow Lite)**

- Engineered real-time yoga pose detection using camera input and TensorFlow Lite inference models.
- Supported 5 core poses with 85%+ prediction accuracy across dynamic and static inputs.
- Designed low-latency inference pipelines enabling real-time feedback with optimized execution performance.

**YogaBliss – Web App (MERN Stack)**

- Implemented secure authentication workflows and personalized activity-tracking dashboards using the MERN stack.
- Implemented session tracking and user-centered design for wellness engagement.

## Leadership & Extracurriculars

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- Publicity & PR Head, **VCET Hackathon Committee** – Led outreach across 20+ colleges.
- Joint Secretary, **VCET Core Coding Club** – Organized coding competitions and technical events.
- Organizing Head, **VCET Placement & Training Cell** – Coordinated recruitment drives and workshops.
- Organizing Head, **VCET Women Empowerment Team** – Managed college-level awareness initiatives.

## Technical Skills

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**Programming Languages:** Python, Ruby, Node.js, JavaScript, HTML, CSS, Linux Shell Scripting

**Backend Fundamentals:** RESTful API Design, Microservices Architecture, Asynchronous Programming, Distributed Systems

**Databases:** MySQL, PostgreSQL, MongoDB, Query Optimization, Schema Design

**DevOps & Deployment:** Docker, Kubernetes, CI/CD Pipelines, Jenkins

**Version Control:** Git, GitHub, BitBucket