

Raj Makwana

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EDUCATION

Nirma University

Bachelor of Technology in Computer Science and Engineering - **CGPA – 9.27**

Ahmedabad, India

August 2023 – May 2027

Relevant Courses: Data Structures and Algorithms, Object Oriented Programming, OS, DBMS

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, Java, HTML, CSS

Technologies/Frameworks: MongoDB, Express.js, Node.js, React.js, REST APIs, Flask, MySQL

Cloud Deployment: AWS, Vercel, Cloudinary, Firebase

Developer Tools: VS Code, Git, GitHub, Android Studio, Postman

EXPERIENCE

Full Stack Engineering Intern – Founding Tech Team

January 2025 – June 2025

MatterAssist ([Website](#), [Access Link](#))

Ahmedabad, India

- Tech Stack: *Node.js, React.js, Flask*
- Built and maintained scalable **RESTful** APIs using Node.js and Flask supported platform functionalities.
- Developed **Web-Scraping** tools in Python to automate data extraction and integrate structured results into services.
- Deployed Flask backend on **AWS EC2** and **AWS Lambda** for scalable and serverless performance.
- Managed frontend and Express.js backend deployments on **Vercel**, enabling seamless CI/CD integration.
- Utilized **MongoDB** for efficient document-based storage and **Cloudinary** for secure media and file handling.
- Collaborated with the **tech team** using **Git** for version control, enabling smooth **code integration** and feature rollouts.

Open Source Contributor

October 2024

Hacktoberfest

Remote

- Tech Stack: *Python, CSS, HTML, React.js, Node.js*
- Successfully contributed to Hacktoberfest 2024, completing all levels with impactful open-source contributions.
- Made diverse contributions ranging from **bug fixes** to full project submissions, supporting the **developer community**.

PROJECTS

Now Ev — [GitHub Link](#)

- Framework: *Flutter, Flask, React.js, OpenCV, Tesseract OCR, Square Payment, MongoDB, Firebase, Twilio*
- Implemented secure **KYC** verification with **OCR**, face-matching, and **liveness** detection for fraud prevention.
- Built **wallet-based payment** & EV unlock system with **real-time** notifications and QR-based access control.

PipeTest — [GitHub Link](#) — [Demo Link](#)

- Framework: *React.js, Flask, Node.js, Selenium-PowerShell scripting, GitLab CI/CD, Gemini API, MongoDB*
- Automated **system testing** tool on input Figma design And Test Website URL, **CI/CD** Integration with **GitLab**.
- Gemini Api to generate **Multithreaded** Selenium script, **Pipeline testing**, Developer dashboard.

FinTaxAi — [GitHub Link](#) — [Demo Link](#)

- Framework: *React.js, Node.js, Flask, Gemini API, Firebase*
- Developed an **AI-powered** web app to simplify financial **decision-making** and **automate tax filing**.
- Implemented **dashboards**, AI-based **OCR**, and a multilingual **LLM chatbot** supporting **8+ languages**.

ACHIEVEMENTS

Academics: Bronze Medalist in Engineering First Year, Won CSI Nirma Club coding events

Codeforces: Achieved **Pupil** Rank Max Rated **1300** ([Profile Link](#))

LeetCode: Achieved **Knight** Rank Max Rated **1854, Top 5%**, Achieved global rank **1654** in Biweekly Contest 438

CodeChef: Achieved **3-star**, Max Rated **1615**, Achieved global rank **280** in Starters 191C ([Profile Link](#))

IICPC: Achieved global rank **1942** CodeFest'25 Prelims among 45000+ participants

Solved **1600+** **Competitive Programming** and **DSA** problems across multiple platforms

Secured a **Top 5** position in the **NASA Space Apps** Challenge'24 Nirma University Regional Competition