

Mohit Makwana

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EDUCATION

Dharmsinh Desai University

Bachelor of Technology (B.Tech.) in Computer Engineering | CPI: 8.52

Nadiad, Gujarat

July 2025 – May 2028

Lukhdhirji Engineering College (Diploma)

Diploma in Engineering (Information Technology) | CGPA: 9.39 | DDCET Rank: 22

Morbi, Gujarat

September 2022 – June 2025

EXPERIENCE

Django Intern

ZenDevX

July 2024 – August 2024

Bopal, Ahmedabad, Gujarat

- Worked on Django project; created admin panel for student marks analysis and faculty work analysis.

TECHNICAL SKILLS

Languages: Java, Python, SQL

Databases: PostgreSQL, MongoDB, SQLite

Frameworks: Django, Spring Boot, Android (Java), JavaFX, Tus

Tools & Deployment: Git, Docker, AWS, Deployment, CI/CD, Linux, Wireshark, PyCharm, IntelliJ

Libraries: WeasyPrint, TUSD

CERTIFICATES

AI-ML: [Deep Learning IIT Ropar \(NPTEL\)](#), [Machine Learning With Python \(IBM\)](#)

Programming: [Programming in Java \(NPTEL\)](#), [The Joy of Computing Using Python \(NPTEL\)](#)

Entrepreneurship: [Entrepreneurship Development Training Programme](#)

PROJECTS

SecureChat | [GitHub](#) | *Android, Java, SQLite, Executors Framework, Networking, Security, JavaFX, Git*

- Developed a cross-platform secure file and message sharing app that works over LAN.
- Implemented hybrid encryption using RSA + AES for end-to-end encryption.
- Implemented a custom application-layer protocol (SecureChat v2) for encrypted messaging and file transfer.
- Used UDP broadcasting for discovery and connection setup.
- Used native Android development with Java, incorporating biometric authentication, background service, RecyclerView, and notifications.
- Used JavaFX for desktop app support with similar features as the mobile app.

JwtAuth | [Live](#) | [GitHub](#) | *Java, Spring Boot, MongoDB, TOTP, Git*

- Built a simple messaging CRUD app with friend list and messaging functionalities.
- Used stateless authentication using JWT.
- Added TOTP as multi-factor authentication for extra security.

Learning-Platform | [GitHub](#) | *Django, tusd, PostgreSQL, Bootstrap, Uppy, Git*

- Built a course learning platform where mentors can upload courses and students can access them.
- Designed the database for scalability with proper normalization and hierarchy.
- Used Tus server (tusd) with Uppy dashboard for chunked file transfer.

MiniTunnel | [GitHub](#) | *Android (Java), Networking*

- Reverse-engineered the working of the RakNet protocol.
- Found a solution to play RakNet-based LAN games through a VPN tunnel.

ACTIVITIES

Part of the organizing team for [DUHACKS 5.0](#).

Participated in Smart Gujarat Hackathon: Built a laboratory management system using Django. | [Github](#)