

# Dhruv Sharma

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[github.com/MrD0511](https://github.com/MrD0511) | [dhruvsharma.me](https://dhruvsharma.me) | Gujarat, India (Open to relocation)

## SKILLS

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**Languages:** Python, Java, JavaScript, Go (Basics)

**Frameworks & Libraries:** FastAPI, Flask, Node.js, React, Tailwind CSS

**Tools & Technologies:** Docker, Git, MongoDB, SQL, Linux

**CS Fundamentals:** Data Structures & Algorithms

## EXPERIENCE

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**Pintube Ltd** (Remote – UK based)

March 2024 – Sept 2024

Full Stack Intern

- Created a full-stack web app using Angular, Node.js, and MongoDB. Later migrated the database from MongoDB to MySQL, improving data query speed and relational mapping.
- Developed modular and scalable backend APIs with secure user authentication and optimized data handling for performance.
- Contributed to an AI-integrated backend project by designing APIs and managing structured inter-service data flow.
- Ensured backend code was maintainable, testable, and aligned with evolving business requirements through clean coding practices.

## PROJECTS

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**AI Personal Assistant** — Context-Aware Email & Task Manager

[\[link\]](#)

**Tech Stack:** React, FastAPI, Gemini API (via OpenRouter), MCP SDK

- Built a smart assistant to fetch, summarize, and reply to emails using Gemini API and contextual memory logic.
- Designed a modular backend with function-calling support, enabling scalable and low-latency service integration.
- Integrated calendar services and enabled chain-of-thought behavior aligned with intelligent operations.
- Prepared for future automation workflows like auto-scheduling and smart reply triggers.

**CipherChats** — Encrypted Chat App with End-to-end encryption

[\[link\]](#)

**Tech Stack:** React, FastAPI, WebSockets, MongoDB, IndexDB

- Designed a secure chat platform with encrypted messaging, Google login, and file sharing features.
- Implemented end-to-end encryption with unique public/private key pairs per conversation, using client-side private key storage and public key exchange to enable secure real-time messaging.
- Implemented a modular background service to handle message queuing and real-time encryption/decryption, enabling secure and non-blocking chat operations.
- Engineered message handling for efficient, ordered delivery in concurrent multi-user chats via WebSockets.

**Dockerfile Generator CLI** — Developer Tool for Containerization

[\[link\]](#)

**Tech Stack:** Go, Docker

- Developed modular Dockerfile generator CLI, saving ~20 minutes per setup across dev teams
- Auto-generates Dockerfiles by scanning project files and detecting framework dependencies.
- Supports config previews, customization and override flags, aligning with low-code principles and developer flexibility.
- Developed for fast execution and easy extension across tech stacks to ensure reliable Dockerfile generation.

## EDUCATION

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**B.E in Computer Engineering**

2022 – Present

Sardar Vallabhbhai Patel Institute of Technology, Vasad

Current CGPA: 7.26 (till 5<sup>th</sup> Semester)