# Jiyan Patil

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## EDUCATION

**Vishwakarma Institute of Technology** — Pune, India
*Bachelors Of Technology in Computer Engineering* — *Aug 2022 – May 2025*

**Government Polytechnic Pune** — Pune, India
*Diploma in Computer Engineering* — *Aug. 2019 – May 2022*

## EXPERIENCE

**Engineering Intern** — Jan 2022 – Jan 2023
*Taliun* — *Remote*
- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Tested 30+ API into the website, including fetching various patient details, adding patient, removing , applying coupons, listing coupons, and product review.
- Worked on Athena health care APIs add some relevant in this line
- Stack : ReactJS, NodeJS, AzureDevops, Docker, Git

## PROJECTS

**Inventory App** | *FastAPI, Redis-Streams, React* — Oct-2022
- The Inventory and Payments app is composed of two microservices that work together seamlessly.
- In the event of a cancelled payment, the inventory service automatically restores the items back to inventory.
- The app utilizes FastAPI and Redis-Streams for efficient and reliable communication between the services.
- The React-based frontend provides a user-friendly interface for managing inventory and payments.

**Social Media Backend** | FastAPI, SQLAlchemy, PostgreSQL, Heroku — Dec 2022
- Developed a high-performance Social Media Backend using FastAPI for fast and efficient API development.
- Utilized SQLAlchemy for easy integration with PostgreSQL for efficient data storage and retrieval.
- Conducted extensive testing using Pytest for efficient and comprehensive testing of the application.
- Containerized the application using Docker and deployed it to Heroku for easy scalability and accessibility.

**URL Shortner** | Nodejs, mongoDB, mongoose, — Jan 2023
- Created a URL shortener using Go-fiber for high-performance web routing.
- Utilized Redis for efficient storage and retrieval of shortened URLs.
- Containerized the app using Docker for easy deployment and scalability.
- Implemented analytics and tracking features to monitor the usage and performance of the URL shortener.

**Image Size Extractor - Docker Extension** | Docker, Typescript, Docker Compose — Oct 2022
- Developed a Docker extension using React, TypeScript, and Docker to display layer sizes in Docker Desktop.
- Created a user-friendly interface for inputting username and image selection.
- Seamlessly integrated the extension with Docker and Docker Compose.
- Utilized Docker API and TypeScript to accurately calculate and present layer sizes for optimization.

## TECHNICAL SKILLS

**Languages**: Javascript, Python, Java
**Frameworks**: FastAPI, ReactJs/NextJs, Nodejs, JamStack, FarmStack, Flask, Django, Jest, Pytest
**Libraries**: Pandas, NumPy, Matplotlib, Sci-kit learn, Seaborn
**Databases**: PostgreSQL, MySQL, SQLite, RedisJson, MongoDb.
**VCS**: Git, Github, Gitlab, GitBucket SQLite, RedisJson, MongoDb.
**Containerization:** Docker
**Deployment**: Vercel, Netify, Heroku

## OTHERS

**Docker - Extension Got selected in Top 20 by Docker**