



# ARPAN RAKESH PATEL

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## EXPERIENCE

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### Scudo Systems LLP

Jul 2019 - Jul 2022

*Co-founder and Software Developer*

*Ahmedabad, India*

- Developed a Remote Tracking System which focused on the anti-theft mechanism for motorcycles, using Python and Raspberry Pi with a team of 4 members. Test results showed 90% accuracy of the location.
- The project was subsidized with \$9000 by the Government of Gujarat, India.
- Improved the performance of the program by 40% by migrating from Python 2 to Python 3.
- Nominated for India 500 Startup Award 2020.

### Snapy Inc

May 2021 - Jul 2021

*FullStack Intern*

*Bangalore, India*

- Proposed and implemented a Web Application of marketing 100+ products using ReactJS and Tailwind CSS.
- Worked with APIs along with backend services and made the website responsive across all devices.

## EDUCATION

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### Northeastern University | Masters in Computer Science

Boston, MA

*Courses - Programming Design Paradigm, Database Management Systems*

May 2024

### Sardar Vallabhbhai Patel Institute of Technology | B.E in Information Technology

Vasad, India

*Courses - Analysis and Design of Algorithms, Software Engineering, Big Data Analytics*

CGPA - 8.83/10

## PROJECTS

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### Park up | *Mobile Application, Flutter*

- Designed and collaborated on a cross-platform mobile application using Flutter in a team of 2 people.
- Implemented various features like unique QR codes, location tracing using Google Maps, and ticket generator which can store multiple vehicle data and account information of the user.
- Created 3 SignIn and SignUp options for the end-user along with 8 characters password for security purposes.
- Published the paper on the same in International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 7, July 2021 S.No: 367

### Gym Management System | *Database Application, MySQL, Python*

- This project is implemented to facilitate the university gym and health center to automate its operations of keeping records of more than 1000 users and storing them in a database.
- The application was developed using Python and supporting libraries such as maskpass, mysql-connector, and tabulate.

### Stock Simulator | *Java Application, Java*

- Designed and collaborated on a virtual stock simulator, which enables the user to learn the stock market by making mock portfolios with GUI and CLI interfaces using MVC and Command design patterns.
- Connected with AlphaVantage API which enabled the user to buy more than 1000 shares from the listed companies on the stock market and cached the data to make the application 70% more efficient.
- A user can create different types of portfolios and apply 3 types of strategies for investing in them.

### Quick Launcher | *Web Extension, Javascript*

- Built a web extension with 5 social media links that can be added to the browser. The extension can access any of the listed social media handles.
- It was released on the Mozilla Web Add-on store as an OpenSource project and presented on Youtube to more than 100 participants.

## SKILLS SUMMARY

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**Programming Languages:** C, C++, Java, Python, SQL, Dart

**Development and Database:** MySQL, MongoDB, Android, HTML, CSS, JavaScript

**Frameworks:** Node.js, Flutter, Tailwind, Bootstrap

**Cloud & DevOps:** Docker, Version Control(Git)

**Tools & Topics:** OOP, IoT, API, CI/CD, Google Cloud Platform

**Operating Systems:** Linux, macOS, Windows, Raspian OS