

# Dhrumil Patel

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## EXPERIENCE

**MasterCard** | *Spring boot, React, PCF, Oracle, OpenAPI, Redux*  
Software Engineering Intern

May 2024 - July 2024  
Vadodara, Gujarat

- Developed a **subscription management portal** for the product owners in organization, collaborating with product managers to translate requirements into effective solution.
- Created an innovative solution for **automating redundant code** creation within the project, significantly improving development efficiency and consistency.
- Learned to write **modular, maintainable, and high-quality code**, aligned to best practices and industry standards, while gaining hands-on experience with the **full product development life-cycle**.
- Implemented **diverse automation testing techniques**, including functional and unit tests, for **100% line and conditional coverage** on code logic, significantly improving overall product maintainability.
- Utilized tools like **PCF** for seamless cloud deployment, **Confluence** for effective documentation, and **SonarQube** to continuously monitor and ensure high code quality throughout the development process.

**KrewBee** | *Dotnet, Postgres, Docker, Azure, Blob storage*  
Software Engineer, Backend

Dec 2023 - April 2024  
Remote

- Developed a **SaaS based hostel management** back end, leveraging .NET API to create RESTful APIs within a micro-services architecture, and containerized the services using Docker for deployment and scaling.
- Architected and deployed **eight micro-services** following the **CQRS pattern**, improving scalability, maintainability, and reusability by distributing the project into manageable components.
- Mastered unit testing with **xUnit**, for robust code through various testing strategies.
- Enhanced project management skills through effective use of **Jira** and **Confluence**, and refined Git expertise to streamline version control and collaboration.

## EDUCATION

**Dharmsinh Desai University**  
Bachelor of Technology in Computer Engineering (9.08 CPI)

Nadiad, Gujarat  
Oct. 2021 – May 2025 (Pursuing)

## PROJECTS

**PuzzlePro** | *Flutter, Python Fast API, Docker, Azure, Machine Learning(CNN)*

[GitHub](#)

- Developed an all-in-one **Sudoku application**, providing a comprehensive experience with features such as **Sudoku generation, hints, solutions**, and more.
- Implemented a feature for **scanning Sudoku images** using a **Convolutional Neural Network (CNN)** model, enhancing the application's functionality and accuracy.
- Designed an intuitive interface with **Material UI**, improving user engagement and ease of use for solving and learning Sudoku.
- Streamlined **back-end deployment** by containerizing the application with **Docker** and deploying it on **Azure**, using **CI/CD pipelines** with GitHub Actions for efficient and automated updates.

**TestZone** | *Java, Spring boot, JSPs, Hibernate, MySQL, Bootstrap, Azure*

[GitHub](#)

- Built a web application platform for **quiz using Spring Boot**, incorporating features such as user authentication, quiz creation and management, quiz participation, and result calculation and display.
- Deployed the application on Azure, utilizing **Azure Web Apps** for hosting and **Azure MySQL Database** for data management.

## SKILLS AND ACHIEVEMENTS

**Languages:** Java, Python, C/C++, SQL, JavaScript/TypeScript, PHP, Dart, Go, Bash.

**Frameworks:** React, Spring boot, Express.js, Django, Flutter, ORM tools.

**Tools:** Git, IntelliJ, VS Code, Visual Studio, Postman, Jira, Confluence.

**Cloud:** Azure and AWS For application deployments with CI/CD, blob storage, databases.

**Microsoft learn:** 6 Trophies Earned On Azure AI and ML @dhrumilpatel .

**Competitive Programming:** Above 220 problems solved on [Leetcode](#) and 3 star rated on [CodeChef](#).