PRIYANK PATEL

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Education

Dalhousie University   **Sept. 2022 – Present**
Master of Applied Computer Science   **(4.05/4.3 GPA)**
Gujarat Technological University   **Aug 2017 - June 2021**
Bachelor of Engineering in Computer Engineering   **(8.84/10 CGPA)**

Work Experience

Paul Mason Consulting (PMC)   **May 2021 – Aug. 2022**
Junior Software Engineer
- Developed and managed middleware solutions in .Net Core using C# for WorldPay (UK), enabling seamless acceptance and processing of requests and responses across multiple Payment Interfaces and Payment Servers.
- Enhanced comprehensive unit test cases for middleware to increase code coverage from **47% to 93%** using XUnit testing framework.
- Optimized the middleware code, resulting in achieving benchmark score and reduction in end-to-end transaction time by **30 milliseconds**.

Paul Mason Consulting (PMC)   **Sept. 2020 – Apr 2021**
Software Engineer Intern
- Collaborated with **5** team members to make microservices in .Net Core that can serve Angular web application.
- Integrated WorldPay's Integrated Payment Server (IPC) - Payment OpenAPI into the middleware that can communicate with POS devices and payment servers.
- Led the design and documentation of a comprehensive Technical Design document, focusing on middleware architecture and flow, to provide a clear and structured overview of the system.

Allsoft Solutions (IBM Partner)   **June 2020 - July 2020**
Data Science and Machine Learning Intern
- Implemented a ML model that can predict California's Real Estate price based on locality and proximity.
- Trained different models such as Random Forest, Decision Tree, Logistic Regression, etc. using **1.6 million** Data points.
- Selected Random Forest model based on Performance (Testing Accuracy: **82.3%**).

Projects

MarketHub *(Team of 5)*   **May 2023 – July 2023**
- Developed a markethub website using React as frontend, Node.js as backend and MongoDb as database.
- Created product listing dashboard, user authentication and profile management feature and designed wireframes for it.
- Developed Unit test cases using Jest framework to achieve code coverage of **85%**.

YourDoc *(Team of 4)*   **Jan. 2023 – April 2023**
- Designed and deployed a responsive web application in React and Node.js with a feature to book doctor's appointment.
- Designed and implemented an admin control system to review and verify doctor postings, providing options for acceptance or rejection by automating sending email notifications for the outcome.
- Implemented **CI/CD** pipeline to automate the building, testing, and deployment processes of the project.

Community Portal *(Solo)*   **June 2022 – Aug. 2022**
- Developed a collaborative portal using Angular for the frontend, .Net Core using C# for the backend, and MS SQL Server for the database, article sharing, content organization, and admin management within an online community.
- Improved data retrieval and manipulation capabilities by implementing Entity Framework Core (EF Core).

Technical Skills

Languages/Frameworks: C, C++, Java, C#, Python, Kotlin, SQL, .Net Core, Spring, Flask, Numpy, Pandas.
Web Development: HTML5, CSS3, MUI, JavaScript, ES6, React, Redux, TypeScript, Angular, Node JS, Express, MongoDB, Razor Pages.
Other Tools/Technologies: Git, GitHub, JIRA, Docker, SwaggerHub, Figma, Jenkins, SonarQube, Azure DevOps.

Certification/Achievements

- Awarded as top 3 programmer at College coding competition.   **2018**
- Completed Google Cloud Fundamentals: Core Infrastructure Certification on Coursera.   **2020**
- Earned 4 stars for Problem Solving in Python on Hacker Rank.   **2022**