

# DARPAN PATEL

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## OBJECTIVE

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Looking for a challenging Software Developer position, where I can utilize my problem-solving and analytical skills to contribute to the success of the company.

## SKILLS & ABILITIES

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Technical Skills: **Java**, **Python**, C, JavaScript, HTML/CSS, **React.js**, D3.js, Git, Docker, MongoDB, MySQL, Unit Testing

Product Skills: Agile Methodology, JIRA, Spring Web, Spring Boot, Postman

Data Skills: Pandas, NumPy, Matplotlib, PySpark, Tableau, Power BI

Soft Skills: Communication, Teamwork, Adaptability.

## EXPERIENCE

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| <b>09.2020-<br/>12.2020</b> | <p>Software Quality Assurance (Intern), <i>Proposify Inc.</i></p> <ul style="list-style-type: none"><li>• Responsible for handling “<b>Bug Triage Process</b>”. Writing test cases, test scenarios, test plans on JIRA tool.</li><li>• Worked closely with the Product team, Development team &amp; Customer support team.</li><li>• Participated scrum ceremonies and sprint planning.</li></ul>  |
| <b>01.2018-<br/>05.2018</b> | <p>Software Developer (Intern), <i>ITS Planners &amp; Engineers Pvt. Ltd.</i></p> <ul style="list-style-type: none"><li>• Responsible for <i>the Stop Light Violation Detection System</i>, a tool that captures and transfers evidence of violations at traffic signals</li><li>• Acted as the point of contact for clients by gathering requirements and specifications for the project, and leading project demonstrations</li><li>• Integrated hardware and software at the client site and deployed web applications on the client’s server hosted in the cloud</li><li>• Used: <b>Java</b>, Servlet, PostgreSQL, Log4J 2, Junit, JavaScript, Git, FFmpeg Library</li></ul> |

## EDUCATION

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- 09.2019-12.2020** Master of Applied Computer Science, Halifax, *Dalhousie University*
- 05.2014-05.2018** Bachelor of Information Technology, Ahmedabad, *Nirma University*

## PROJECTS

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**2020**

### **Group Formation Tool:**

- Developed web application using the Spring framework in Java.
- Followed best practices of **Test-Driven Development (TDD)**, **CI/CD**.
- Used **Design Patterns** to adapt for future changes and maintainability of software.
- Peer reviewed code.

### **QuizRoom:**

- Built and deployed **Flask** and **React.js** microservices to AWS ECS powered by Python and Flask.
- Followed best practices of **Test-Driven Development (TDD)** with **PyTest** to develop **RESTFul API**.
- Used **AWS CodeBuild** for continuous integration and delivery (**CI/CD**).

### **Global Terrorism Visualization:**

- Built an interactive visual analytics system for **Spatiotemporal visualizations** of global terrorism on the GTD Database
- Applied data cleansing techniques on a massive database with 135 attributes and visualized insights using **D3.js**

**2019**

### **Database Design and Analysis of Dalhousie University:**

- Created the **ETL** pipeline for the extraction of structured and unstructured data
- Transforming and structuring data to the appropriate format, loading it to the appropriate database
- Built the design of the database
- Performed data analysis on visualization tools such as **Tableau** and **Power BI**

## LEADERSHIP

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- In 2019, competed in the Government Technology Hackathon at Shiftkey Lab, Dalhousie University, successfully developing and pitching an innovative solution to key government stakeholders.
- Ranked in the 90<sup>th</sup> percentile in Round 1 and Round 2 of Tata Consultancy Services – CodeVita 2017.