

PRAYAG BIMALKUMAR PATEL

Software Development Engineer

Tempe, Az | www.linkedin.com/in/prayagpatel4/ | ppatel94@asu.edu | <https://patelb268.github.io/portfolio/> | 602-815-9570

Education

- | | | |
|---|--------------------|----------|
| - Arizona State University (ASU), Arizona, USA | Expected : | May 2023 |
| Master of Science in Computer Software Engineering | GPA : | 4.0 |
| Relevant Courses | | |
| Advance Data Structure and Algorithm Foundations of Software Engineering | | |
| - Gujarat Technological University -, Gujarat, India | Graduated : | Aug 2020 |
| Bachelor of Engineering in Computer Engineering | CGPA : | 9.0 |

Skills

- | | | |
|-------------------------------|---|--|
| Languages | : | Java, HTML, CSS, JavaScript, C, C++, Python, C#, Prolog, R, PHP |
| Data Base | : | MySQL, SQL Server, MongoDB, PostgreSQL, Oracle Database, Firebase |
| Tools & Frameworks | : | NodeJS, React, REST, Taiga, Git, Eclipse, Android Studio, Docker, .NET, MVC, TABLEAU, TensorFlow, Jira, PyTorch, Jupyter Nb, Keil µ Vision, POWER BI, Adobe Creative Cloud |
| Certifications | : | Google Cloud Platform Fundamentals: Core Infrastructure, Implement High Fidelity Designs with Material-UI and ReactJS |

Experience

Web Development Intern at Madhya Gujarat Vij Company Public Limited, Gujarat **Aug 2019 – May 2020**

- Developed a web application named TND-System currently in use by M.G.V.C. L
- Collaborated within an agile team structure to design, build and test front-end and back-end for web-application
- Improved system surpasses its DOS predecessor, increased work efficiency by 77%
- Implemented MVC architecture using REST APIs as well as constructed MySQL database, used git as code versioning tool
- Developed user interface using HTML5, CSS3 and modern JavaScript framework, improved user satisfaction by 31%
- Executed tire-based sign up and authentication with Firebase and React.js for 150+ employees
- Created scheduled event jobs and stored procedures to generate charts and reports from monitoring data from 239 substations of 2,059 feeders (transmission lines) located at different geolocations
- Scrutinized integration of cross-browser compatible applications and insured quality testing
- Learned Test-Driven Development approach, writing maintainable code, interact with clients and handle feedback on work

Academic Projects

Parker **Jan 2022 – May 2022**

- Designed automated Smart Parking Assistant (S.A.P) app completely handles functioning of parking lot
- Finds and guide user to closest parking spot, automates computation of cost, includes an online payment channel
- Enhanced resilience of Cyber Physical System over network using multi-agent framework for distributed middleware

SoccerT **Aug 2021 – Nov 2021**

- Built a COTS software by practicing Agile SCRUM for managing Soccer Tournaments with 350-700 teams
- Performed unit testing of role-based login, scheduler for tournaments incorporating age and gender-based divisions
- Designed an interactive UI, Produced, and consumed Restful API for development of website

Performed Tweeter Emotion Analysis Using Supervised Learning Algorithms **Jan 2021 – Mar 2021**

- Implemented nine separate algorithms to classify tweets and compared performance on cleaned data
- Cleaning data was an important step, accomplished using regular expressions and NLTK library in Python
- Deduced convolutional neural network produces most optimal results at 89% accuracy

CodeSter: The Portal for Coders **Feb 2019 – April 2019**

- Created platform in React.js for coding enthusiasts to develop skills, discuss and blog
- Provided customized recommendations by scraping through renowned coding platforms

Med Store **Sep 2018 – Dec 2018**

- Managed and synthesized data of 100+ patient's medical records, simulating working of a medical store and its inventory
- Generated immutable batch records using blockchain for EHR's, drug's origin and ingredients
- Stored medical records confidentially, update patient data across multiple facilities and locations in real time

Leadership and Volunteer Work

Organizer and Core Committee Member of Tech Fest – "Aahvan", Gujarat **Feb 2018 & Feb 2019**

- Lead Graphics Designing and Web Development team in both years. Launched website and administered data entry and management for a footfall of 25000 students per year. Volunteered in establishing sponsorships and partnerships

Volunteered at Helping Hand Foundation, India **Jun 2020 – Oct 2020**

- Volunteered in distribution of more than 1,00,000 masks, 52,000 plus PPE kits and over 2,00,000 units of food items during ongoing COVID-19 pandemic #TogetherWeCan