

PRAYAG BIMALKUMAR PATEL

Software Development Engineer

Tempe, Az | www.linkedin.com/in/prayagpatel4/ | patelprayag@asu.edu | +1 (602) 815-9570

Education

- Arizona State University (ASU) , Arizona, USA	Expected:	May 2023
Master of Science in Computer Software Engineering	GPA:	3.94
- 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

Skills

Languages	: Java, HTML, CSS, JavaScript, C, C++, Python, C#, Prolog, R, PHP, jQuery, AJAX
Data Base	: MySQL, SQL Server, MongoDB, PostgreSQL, Oracle Database, Firebase
Tools & Frameworks	: NodeJS, React, REST API, Taiga, Git, Eclipse, Android Studio, Docker, .NET, MVC, Angular, TABLEAU, POWER BI, Adobe Creative Cloud, AWS, AWS Lambda, EC2, S3, SQS
Certifications	: Google Cloud Platform Fundamentals: Core Infrastructure,

Experience

Graduate Student Assistant at School of Computing & Augmented Intelligence, ASU	Sept 2022 - present
- Assist in validating, cleaning, and organizing data. Develop web-based, interactive dashboards traditional static reports for making information accessible to decision makers and making contribution to in house projects	
- Using & Developing Skills: Python, HTML, CSS, JavaScript, SQL, MS Excel, Tableau	
Web Development Intern at Madhya Gujarat Vij Company Public Limited, Gujarat	Aug 2019 – May 2020
- Collaborated in an agile team structure to develop a web application named TND-System currently in use by M.G.V.C. L	
- 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 U.I 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	
- Scrutinized integration of cross-browser compatible applications and insured quality testing, learned Test-Driven Development	

Academic Projects

Image Recognition as a Service (AWS)	Aug 2022 - Present
- Handles multiple client requests, elastically scaling of cloud resources that dynamically scale on demand in cost-efficient manner.	
- Service implemented using AWS resources recognizes image uploaded by end-user to deployed application	
- AWS resources - EC2, SQS, S3	
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	
Software Project Management System	April 2021-May 2021
- Deployed a software project management tool focused on improving productivity on Microsoft Azure portal	
- Employed M.V.C with .NET core for back end, developed front end using Angular, Hosted MS SQL server using Docker	
- Used Azure cloud storage for database and web services, established connections among components using API	
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	

Leadership and Volunteer Work

University Academic Success Program Tutor, ASU Tempe	Sept 2022 - present
Volunteered at Helping Hand Foundation, India	Jun 2020 – Oct 2020
Organizer and Core Committee Member of Tech Fest – “Aahvan”, Gujarat	Feb 2018 & Feb 2019