Gangey Patel

480-849-4222 | gangey.apatel@gmail.com | linkedin.com/in/gangeyp | github.com/gangeypatel | gangeypatel.github.io

EDUCATION

Masters of Computer Science | Arizona State University, Tempe, AZ | GPA: 3.83/4.00 — May 2024
Coursework: Mobile Computing, Human-computer Interaction, Data Visualization, Cloud Computing, Software Validation & testing
Bachelors of Computer Science | Indus University, Ahmedabad, Gujarat | GPA: 9.32/10.00 — June 2022
Courseswork: C Programming, algorithms, Web Technologies, Data Science, Software Design

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML, CSS, R
Frameworks and libraries: React, Node.js, Tailwind CSS, Flask, Selenium, Djano, pandas, Spring, NumPy, Tensorflow,D3.js, chart.js
Developer Tools: Git, Docker, AWS, VS Code, Jupyter Notebook, PyCharm, IntelliJ, Eclipse,Prometheus

EXPERIENCE

Software Engineer Intern | Sperotel Technologies , Ahmedabad, Gujarat, India — January 2022 – June 2022
- Played a key role in developing an application for real-time monitoring of UPS systems
- System reduced UPS breakdown by **91%** bys sending alerts to users
- Performed in developing a back-end system to generate gauge metrics refreshing at every **500ms**, resulting **25%** improvement in overall system performance

Frontend Developer Intern | Cloud Ladder Consulting,Irving, TX — June 2021 – November 2021
- Engaged in front-end development of a business-focused website offering business solutions to **40+** clients
- Performed White-box testing with **480** test scenarios to find and resolve system's front-end issues
- Implemented front-end improvements which enhanced usability, resulting in **49%** increase in active users
- Designed a chatbot called **Cloudy** to assist clients across multiple social media platforms, including WhatsApp Telegram & Messenger with a satisfaction rate by **95%**

PROJECTS

Visualization Dashboards for Ohio City | *Python, Flask, React, PostgreSQL, D3.js* | ***Link*** — May 2023
- Developed a full-stack dashboard for Ohio city demographics with dataset of **84 million** values & **22 GiB** size
- Costructed program that dropped response time from 15 sec to 800 ms with use of **PostgreSQL**
- Contributed to developing Circular packing chart and interactive scatter plot implementing D3.js and React

Programming Language Compiler | *Lexer, C++, Lexical Analysis, Git* | ***Link*** — May 2023
- Fabricated an efficient compiler which can process over 4000 lines of code
- Built instruction-set Parser utilizing linked list & C++, providing robust functionality for parsing if, switch, assign, print, & while statements
- Reduced compile time by 30% using a comprehensive lexical analyzer and CFG to handle complex syntax

Handwritten Digit Recognition | *Firebase, Flutter, Tensorflow,Python* | ***Link*** — November 2022
- Constructed an cross-functional Android app to recognize digit from the photo clicked
- This app utilized edge computing to identify handwritten digits, achieving an exceptional 94% accuracy with the MNIST dataset's 70,000 values

COVID tracker | React.js, Node.js, Chart.js, REST,Git — May 2020
- Crafted a React-based application to monitor COVID-19 cases of active, recovered & deceased patients
- The dashboard is updated with the most up-to-date information every 120 minutes to inform users
- To make data more accessible, included interactive Bar and Pie charts with the help of chart.js

CAMPUS INVOLVEMENT

Student Activity cell — December 2018 - June 2022
- Fulfilled duty as management head of the team. responsible for organizing 30+ events held in university

Organizor & Host — May 2019
- Hosted a "Zero to Hero" Python workshop attended by more than 1000 students across city