SIDDHARTH PATEL

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EDUCATION

Georgia Institute of Technology | Master of Science in Computer Science | GPA: 4.0/4.0   Aug. 2020 - Dec. 2022
- Relevant Courses: Software Development Process, Software Architecture and Design, Computer Networks.

Lighthouse Labs | Diploma in Full Stack Software Development   Oct. 2021 - Jan. 2022
- Relevant Courses: Automated Testing, Database and Data modelling, React JS, JavaScript, Ruby on Rails.

Auburn University | Master of Science in Industrial Engineering | GPA: 3.5/4.0   Aug. 2014 - May 2016
- Relevant Courses: Linear Programming, Advance Statistics.

Ganpat University | Bachelor of Science in Mechatronics Engineering | GPA: 3.4/4.0   Aug. 2010 - May 2014
- Relevant Courses: Computer Programming, Numerical Analysis and Computer Programming, Software Packages 1 & 2

PROJECTS

Pizza-N-Go - Node.js, Express, Axios, Postgres SQL, Socket.io, AWS   Live: https://pizzango.sidpatel.org/
- Full-stack Web application using Node.js to manage food orders with separate customer and an admin portal with REST API. Integrated the Trello API to sent SMS. Utilized web socket protocol and socket.io for sending real time updates on both platforms. Frontend is in EJS and backend is in Express framework of Node.js.
- The application is hosted on the AWS platform using EC2, RDS Postgres Database and Route 53

Job Comparator - Android Application
- An Android application to manage the job offers. A user can add the jobs with criteria like, job salary, location, annual bonus, gym allowance etc along with assigning weights for these criteria. The data is persisted in the application using SQLite database and Android room Library.

Interview Scheduler - JavaScript, React, Jest   Live: https://react-app-interview-scheduler.netlify.app/
- A dynamic and a true single-page application that utilizes various React hooks and states. This app utilizes asynchronous programming and testing tools like Jest for unit testing and integration testing and cypress.io for end-to-end testing.

StreamingWars - Java, MariaDB, Docker
- CLI-based Java application that simulate the interaction between streaming services, publishing studios, and customer groups. Implemented Object-Oriented Design, and Test-Driven Development(TDD). Containerized the application in Docker for quick testing and deployment.

CERTIFICATIONS

DevOps with Docker | University of Helsinki   Certification ID: e08b93272782ac3b46809b96b5810314

AWS Certified Solutions Architect – Associate | Amazon Web Services   Certification ID: 07EWPS4DHFBE18K8

WORK EXPERIENCE

Product Engineer   June 2016 - May 2021

McWane Corporation
- Engineering team lead for research and development of the smart fire hydrant. Designed the complete hydrant and the web interface in Python Flask framework that shows the live water pressure data using google's Chart API and stores it in an SQL database.
- Developed a sensor tester using Arduino Microcontroller and C programming, which lowered the test cycle time by 70%.

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript and C++.
Web Technologies: Flask, Node.js, Express, Ajax, React, Redux, Nginx server, HTML, CSS, Spring, PHP, Spring Boot, jQuery
Database: MySQL, PostgreSQL, MariaDB, Redis, and MongoDB.
Cloud Platforms: Amazon Web Services (AWS), Google Cloud Platform, Azure and Heroku.
Other Tools: Git, GitHub, JUnit, Mocha, Docker, Kubernetes, Linux, Travis CI, Microservices, CI/CD pipeline.