

# Smit Panchal

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## SUMMARY

- Software Engineer with expertise in building softwares, Full Stack Web Development, and Network Automation.
- Supported by a Master's degree in Applied Computing and a Bachelor's degree in Computer Engineering.
- Proficient in Python, Ansible, React, Angular, NodeJS, SQL/NoSQL, GCP, AWS, CI/CD, Kubernetes, and Docker.

## PROFESSIONAL EXPERIENCE

### Software Developer Co-Op | [Nokia](#)

05/2023 - 08/2023

- Led the SDN & Automation team to develop a network data extraction and transfer solution using Python, Ansible, and Podman, enhancing monitoring and network performance by securely extracting critical system, CPU, and memory data from switches and transferring it to different servers across production sites.
- Developed an automation platform using React and Python, reducing infrastructure setup time from weeks to 15 minutes, boosting operational efficiency by 95%, and significantly enhancing demos, PoCs, and the sales cycle.

### Software Engineer | [Rapidops Solutions Pvt Ltd](#)

07/2021 - 07/2022

- Leading software developer in the design & development of major Salesmate - CRM features, including a dynamic meeting scheduler, activity reminder, and texting and calling using Angular, JavaScript, and NodeJS.
- Proficiently implemented REST APIs, Webhooks, Cron-jobs, and optimized database queries within Microservices architecture and contributed to the entire Agile software development lifecycle.
- Successfully migrated databases of over 6500 companies from MySQL to CockroachDB to enhance scalability.
- Collaborated effectively with QA and front-end teams, ensuring the delivery of high-quality software solutions.
- Provided proactive client support in promptly addressing and resolving issues in the production environment.
- Adhered to clean code architecture and comprehensive testing using CucumberJS, reducing post-launch issues by 70% and improving overall system reliability and maintainability.

### Software Engineer Intern | [Rapidops Solutions Pvt Ltd](#)

12/2020 - 06/2021

- Mastered a diverse range of technologies, including Python, React, Angular, NodeJS, MySQL, MongoDB, GCP, AWS, Docker, Kubernetes, and many more through rigorous coursework, and consistently achieving top results.
- Demonstrated expertise through presentations and hands-on projects, such as a User Management System, an intuitive Tree View File Structure, and the innovative HealthCard platform for managing health data online.

## SKILLS

|                       |  |
|-----------------------|--|
| Programming Languages | C, C#, C++, Java, Python, Shell Scripts, Bash, Go                              |
| Web Technologies      | HTML, CSS, Javascript, Typescript, PHP   |
| Cloud Platforms       | Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure                  |
| Software, Tools & OS  | Git, Ansible, Postman, Cucumber, Linux, Docker, JUnit, Jenkins, Android Studio |
| Databases             | MySQL, CockroachDB, Elasticsearch, MongoDB, Oracle, PostgreSQL, Redis          |
| Frameworks            | Rest APIs, Microservices, gRPC, Angular, NodeJS, Kubernetes, Django            |

## EDUCATION

Master Of Applied Computing | [Wilfrid Laurier University](#) - GPA:11.6/12 (Waterloo, ON) 09/2022 - 12/2023

B.Tech, Computer Engineering | [Dharmsinh Desai University](#) - CPI:7.8/10 (Nadiad, India) 09/2017 - 04/2021

## PROJECTS

### CloudDriven - Personal Digital Storage and Secure Sharing | MEAN Stack, Heroku, AWS

[GitHub](#)

- A cutting-edge Personal Storage solution enables users to upload, download, and share files securely.
- Incorporated a user-friendly folder structure and introduced QR code functionality for effortless file sharing.

### Helping Hands - Emergency Help and Safety System | Android Studio, Java, Firebase

[GitHub](#)

- A life-saving Android application, dedicated to providing immediate assistance during critical situations.
- Empowered users to promptly communicate their emergencies and automatically notify nearby volunteers with live user locations via Google Maps, enhancing real-time responses and fostering community support.

### Stock Price Prediction using ARIMA and LSTM | Python, Pandas, NumPy, Matplotlib, TensorFlow

[GitHub](#)

- Solely developed and implemented ARIMA and LSTM models for stock price prediction of Apple, Tesla, and Google, applied Exploratory Data Analysis (EDA), and generated visually insightful Prediction Graphs.

## ACHIEVEMENTS

### Hackerrank Intermediate Problem Solving Certified

[Hackerrank](#)

- Acquired advanced proficiency in Data Structures like HashMaps, Stacks, Queues, and Algorithms.

### C & C++ Programming Language Certification

[Certificate](#)

- Completed C & C++ programming languages course by an ISO 9001-certified company, Itronix Solutions.