

# Smit Panchal

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## SUMMARY

Diligent Software Engineer with 3 years of Full Stack Development and Network Automation expertise. Proficient in React, Angular, Python, Javascript, NodeJS, SQL/NoSQL, GCP, AWS, Kubernetes, and Kafka. Exceptional track record of leveraging problem-solving, leadership, and interpersonal skills to propel projects toward success.

## EDUCATION

**Master Of Applied Computing** | Wilfrid Laurier University, Waterloo, ON | GPA:11.6/12

**Sep 2022 – Dec 2023**

**B.Tech, Computer Engineering** | Dharmsinh Desai University, Nadiad, India | CPI:8/10

**Sep 2017 – Apr 2021**

## WORK EXPERIENCE

**Software Automation Developer Co-Op** | [Nokia](#), Ottawa, ON

**May 2023 – Aug 2023**

- Developed an automation platform using React and Python, reducing infrastructure setup time from weeks to 15 minutes, increasing operational efficiency by 95%, and significantly enhancing demos, PoCs, and the sales cycle.
- Spearheaded the development of a network data extraction and transfer solution using Python, Ansible, and Podman, boosted monitoring efficiency by 40%, and enhanced network performance across production sites by securely transferring critical system data.

**Software Engineer** | [Rapidops Inc.](#), Ahmedabad, India

**Dec 2020 – Aug 2022**

- Led the design and development of key [Salesmate CRM](#) features using Angular, Javascript, NodeJS, GCP, and Kafka, including a dynamic meeting scheduler, activity reminder, and integrated texting and calling functionalities.
- Implemented REST APIs, Webhooks, Cron-jobs, and optimized database queries within Microservices architecture.
- Successfully migrated databases of over 6500 companies from MySQL to CockroachDB to enhance scalability.
- Provided proactive client support in promptly addressing and resolving issues in the production environment.
- Managed Docker deployments, Kubernetes orchestration, CI/CD pipelines, and debugging through log analysis.
- 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** | [Nifty Solutions](#), Vadodara, India

**Jan 2020 – Jun 2020**

- Mastered a diverse range of technologies, including React, Angular, Java, Python, NodeJS, MySQL, MongoDB, AWS, Kafka, Kubernetes, Docker, and many more through rigorous coursework, and consistently achieved 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.

## SKILLS

**Programming Languages**

Python, Java, C, C++, C#

**Web Technologies**

HTML, CSS, PHP, Javascript, Typescript

**Frameworks**

NodeJS, React, Angular, Kubernetes, Docker, Kafka, Microservices, NextJS

**Databases**

MySQL, Oracle, MongoDB, CockroachDB, SQL Server, Elasticsearch

**DevOps and Automation Tools**

Ansible, CucumberJS, Git, Postman, Jenkins, Linux, JIRA

**Cloud Platforms**

Amazon Web Services (AWS), Google Cloud Platform (GCP)

## PROJECTS

**Helping Hands - Emergency Help and Safety Mobile Application** | [Android Studio](#), [Java](#), [Firebase](#)

[GitHub](#)

- A life-saving Android Mobile 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 APIs, enhancing real-time responses and fostering community support.

**CloudDriven - Personal Digital Storage and Secure Sharing** | [Angular](#), [NodeJS](#), [MongoDB](#), [AWS](#)

[GitHub](#)

- A cutting-edge Personal Storage solution enables users to upload, download, and share files securely.
- Incorporated a custom-made user-friendly folder structure and introduced QR code functionality for file sharing.
- Integrated a sophisticated Chatbot to enhance user interaction and system comprehension.

**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 proficiency in advanced data structures and algorithms by solving 100+ challenges using **Python**.