

# Smit Panchal

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## PROFESSIONAL EXPERIENCE

### Software Developer Co-Op | Nokia (Ottawa, ON)

05/2023 - 08/2023

- Developed and tested network automation scripts using **Ansible** and **Python** automation tools to support the SDN & Automation team optimizing network provisioning and configuration processes.
- Led **PM Counters project** from requirement gathering to deploying on the various sites including production.
  - Extracted critical system, memory, and CPU data from network switches.
  - Established a robust, secure data transfer process to a Linux OS, resulting in **meticulous remote server storage**, enhanced system monitoring capabilities, and improved network performance.

### Jr. Software Engineer | Rapidops Solutions Pvt Ltd (Ahmedabad, Gujarat)

07/2021 - 07/2022

- Developed major **Salesmate - Customer Relationship Management** Software features, including a dynamic meeting scheduler, activity reminder, and built-in calling & texting with **JavaScript** and **NodeJS**.
- Implemented a versatile **meeting rescheduling** solution, accommodating diverse meeting types with the **Factory Design Pattern**, significantly increasing customer satisfaction.
- Migrated text & calling database of over **6500 companies'** data from MySQL to CockroachDB to enhance **scalability**.
- 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 (Ahmedabad, Gujarat)

01/2021 - 06/2021

- Mastered a diverse range of **web technologies**, including NodeJS, React, Angular, CockroachDB, MySQL, Elasticsearch, Kubernetes, and others, through **rigorous coursework**, consistently achieving top results.
- Demonstrated expertise through presentations and hands-on projects, including 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

### Web Technologies

HTML, CSS, Javascript, Typescript, PHP

### Cloud Platforms

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

### Software, Tools & Operating Systems

Git, Ansible, Postman, CucumberJS, Linux, Docker, Apache Kafka, Podman,

### Databases

MySQL, CockroachDB, Elasticsearch, MongoDB, Oracle, PostgreSQL

### Frameworks & Architectural Patterns

Rest APIs, Microservices, React, Angular, NodeJS, Vue, Kubernetes, Django

## EDUCATION

### Master Of Applied Computing

09/2022 - 12/2023

Wilfrid Laurier University - Waterloo, Ontario

GPA: 4/4 - [Transcript](#)

### B.Tech, Computer Engineering

09/2017 - 04/2021

Dharmsinh Desai University (DDU) - Nadiad, Gujarat

CGPA: 7.72/10 - [Transcript](#)

## PROJECTS

### 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 using **Google Maps** to automatically notify nearby volunteers with **live user locations**.

### 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 and folders securely.
- Incorporated a **user-friendly folder structure**, facilitating seamless file management.
- Introduced **QR code functionality** for effortless, scan-based 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 cutting-edge ARIMA and LSTM models for stock price prediction of **Apple**, **Tesla**, and **Google**, showcasing proficiency in **Statistical** and **Deep Learning** approaches.
- Applied **Exploratory Data Analysis (EDA)** including moving averages and correlation between daily returns.
- Achieved outstanding stock price prediction **RMSE** and **MAPE** metrics.
- Created visually insightful **Prediction Graphs** for the Adj. Closing Price of stocks.

## ACHIEVEMENTS

### Hackerrank Intermediate Problem Solving Certified

[Hackerrank](#)

- A standardized assessment aimed at evaluating problem-solving technical proficiency.

### Hackerrank Gold Level Badge with 6 stars in Problem-Solving

[Hackerrank](#)

- Solved 100+ challenges, each demanding a comprehensive understanding of various Data Structures and Algorithms.

### Hackerrank Gold Level Badge with 5 stars in Python

[Hackerrank](#)

- Resolved problems to enhance proficiency in programming with Python.

### CodeChef Online Competitive coding platform - 3 stars (1615 rating)

[CodeChef](#)

- Hosts online competitive coding contests and awards ratings based on performance.