

MANSHI PACHCHIGAR

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EDUCATION

Laurentian University Sudbury, ON

Master of Science in Computational Science

Jan 2022 - Jan 2023

Gujarat Technological University Surat, Gujarat, India

Bachelor of Engineering in Computer Engineering

Aug 2015 - Jun 2019

WORK EXPERIENCE

Local Grown Salads Toronto, Ontario

Software Engineer Intern

Jan 2022 - Jun 2022

- Mined patterns and analyzed data to prepare complex formulas to operate various sensors translated in reduced number of data points thus reducing cost of data infrastructure.
- Designed PostgreSQL schema using normalization which led to in 10x faster query performance.

Kalindi Software Surat, Gujarat, India

Software Developer

Nov 2019 - Dec 2021

- Revamped user interface for the billing module of the accounting software using Java Swing which accounted for 30% increase in throughput of cashier.
- Automated testing process thus decreasing 20% time needed for manually testing the features.
- Worked on the application for employee attendance management bringing up accuracy of time off tracking which resulted in 10 points improvement employee satisfaction score.
- Integrated Jacoco test coverage tool and maintained 70% coverage threshold.

Kalindi Software Surat, Gujarat, India

Software Development Intern

Jun 2017 - Aug 2017

- Streamlined user interface for financial accounting system in Java Swing which prompted data entry staff to save more than 8 hours per week.
- Reduced resource consumption of software module saving 50% in cloud infrastructure cost.

SKILLS

- **Programming:** Java, C, Python
- **Testing:** JUnit, REST Assured, JMeter
- **Web Technologies:** Spring Boot, JavaScript, RESTful APIs, Microservices, HTML, CSS, Bootstrap
- **Database Technologies:** MySQL, PostgreSQL, MongoDB
- **Others:** Linux, Android, MacOS, Git, IntelliJ Jira, Scrum, Slack

ACADEMIC PROJECTS

Employee Management System

Aug 2018 - Jun 2019

- Prepared task breakdown and allotted work among the team members
- Delivered RESTful web service built with Java Spring Boot that provided 80% migration of manual tasks of employee management to automated solution.
- Performed unit and integration testing of the service and achieved 100% code coverage.

Real Estate Management

Aug 2018 - Dec 2018

- Built web application that allows users to publish real estate properties for sale or rent.
- Observed bottlenecks using JMeter load tests and boosted performance of the service by 15%