

Jainil Rana

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EDUCATION

University of Ottawa

Masters of Engineering in Computer Engineering and specialization in AI

Ottawa, ON

Sep. 2023 – May 2025

Charusat University

Bachelor's in Computer Engineering

Anand, Gujarat

May. 2019 – May 2023

EXPERIENCE

Software Developer (Full-Time)

January 2023– August 2023

Aarogram Inc.

Vadodara, India

- Developed a frontend system to streamline patient prior authorization and achieved HIPAA-compliant, seamless data integration using EHR and FHIR APIs.
- I secured immediate client approval for RPA implementation on the Availity portal and automated data extraction from the Cigna Healthcare portal.
- Engineered an integrated RPA-PFR pipeline, enhancing task precision and efficiency.

Software Developer Intern

July 2022 – December 2022

IIT Madras

Remote, India

- Took the lead in making the backend development for a BSc Degree Programme website, with a specific focus on Python-based solutions.
- As part of this role, I devised and executed Automation Scripts to optimize and streamline report generation processes, resulting in a substantial improvement in efficiency.
- Orchestrated real-time course outline extraction, transforming data into CSV format for seamless Result Evaluation Report generation.

Software Dev. Intern

Jan 2022 – June 2022

Sannibh Technologies

Remote, India

- During my internship at Sannibh Technologies, I worked as a software developer intern where I focused on an e-commerce app
- I actively contributed to the development and enhancement of key features, gaining practical experience in building and optimizing an e-commerce platform.
- Contributed 50K+ lines of code to an established codebase via Git
- This hands-on experience significantly enriched my skills in software development and provided me with valuable insights into the e-commerce industry

PROJECTS

Text Summarization | *Python, PostgreSQL, Docker, NLP, Transformers*

June 2022 – Sep 2022

- Text summarization is realized through Natural Language Processing (NLP), employing techniques like Extractive and Abstractive Summarization
- It was a research project for the Gujarati language
- Additionally, customization, real-time processing, and scalability are essential factors to consider in the text summarization process.

Spendee | *Android Studios, Java, SDKs, Git*

Jan 2020 – June 2020

- Leveraged Android Studio, Java, and Kotlin to build and optimize the Spendee expense tracker app, implementing robust user interfaces and ensuring seamless functionality.
- Integrated third-party APIs for features like currency conversion and receipt scanning, showcasing adaptability in utilizing external resources to enrich the app's functionality.

TECHNICAL SKILLS

Languages: C/C++, Python, Java, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools: Git, Docker, HIPAA, Postman/ Thunder Client, AWS Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Tensorflow, Pandas, NumPy, Matplotlib