

Harshil Vyas

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EDUCATION

SAN JOSE STATE UNIVERSITY

Master of Science in Software Engineering

Cumulative GPA: 3.8/4.0

Relevant Coursework: Virtual Technologies; Cloud Technologies; Enterprise Software Solutions

San Jose, CA

Aug 2023 - Current

UNIVERSITY OF ALBERTA

Bachelor of Science in Computer Science with Distinctions

Cumulative GPA: 3.7/4.0; Dean's List & First Class Standing: 2020-21, 2021-22

Relevant Coursework: Software Engineering; Operating Systems; Algorithms & Data Structures; Artificial Intelligence

Alberta, CA

Aug 2018 - April 2022

SKILLS & AWARDS

Technical Skills: Linux/Unix, Bash, APIs, Android, Git, GitHub, AWS, GCP, Datadog, Ansible, Jira, ORM, Agile, Scrum

Soft Skills: Communication Skills, Time Management, Analytical Thinking, Self-Motivated, Detail-oriented, Teamwork, Management

Programming Languages: Python, Java, Kotlin, ReactJS, Django, SQL/NoSQL, Can learn languages Quickly

Awards: FURCA - Outstanding Communication in Demonstration (2020); Hackville 4th - Canada (2021); Onesimus Award (2022)

WORK EXPERIENCE

Hi-Tech Seals Inc.

Software Developer

Technologies: Python, Django, Java, Android SDK, AWS, Datadog, PostgreSQL, BitBucket

Alberta, CA

May 2022 – Aug 2023

- Redesigned the company's internal website on AWS, enhancing system architecture by upgrading from legacy code for improved performance and scalability.
- Streamlined software releases by implementing a CI/CD pipeline with Bitbucket and AWS, cutting deployment time by 60% and boosting team productivity.
- Developing an Android application for warehouse/inventory management with API calls to an ERP system.

INVIDI Technologies.

Software Developer Intern

Technologies: Kotlin, Python, AWS, Datadog, Terraform, Gerrit

Alberta, CA

May 2021 – Aug 2021

- Implemented, tested, and deployed CRUD for Web API requests to a database for a new feature.
- Helped with deployment by testing, debugging, and resolving issues to ensure the highest level of data security.
- Contributed to ideas and suggestions and provided updates on deadlines, designs, and enhancements in team meetings.

PROJECTS

Pneumonia Classification Application

Technologies: Python, Streamlit, Tensorflow

Dec 2023 – Current

- Developing a Python application using TensorFlow and Pillow for accurate X-ray image analysis.
- Implementing Streamlit for an intuitive user interface, enhancing accessibility and user experience.
- Leading a full-cycle development from concept to deployment, demonstrating comprehensive technical and project management skills.

[CMPE 281 Cloud Computing Project -TravelEase](#)

Technologies: NodeJS, Python, AWS, Docker, ReactJS, MySQL

Oct 2023 – Dec 2023

- Developed an AI-powered app with features like image analysis, sentiment analysis, and text translation, enhancing user experience.
- Implemented optical character recognition and audio pronunciation for streamlined data input and global user accessibility.
- Engineered a secure cloud storage system for the app, ensuring efficient and safe data management.

[Academics Without Borders \(AWB\) - Computational-Science Platform](#)

Technologies: Jupyter Notebook, Python, Digital Ocean, Docker, Web Development

Sept 2021 – April 2022

- Developing a low bandwidth website for graduate students for the University of Eswatini
- Working on the UI/UX and the system architecture of making lecture notes and textbooks available easily.

ACTIVITIES

Teaching Assistant (TA) – University of Alberta

Teaching Assistant

Alberta, CA

Sept 2019 – April 2022

- Mentored over 100+ students for 4 university semesters while marking assignments and labs.
- Led classroom discussions and activities and assisted in the development of new course material.