





Aman Shah

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Skills

- **Languages:** Python, C++, Javascript, HTML, CSS
- **Tools/Frameworks:** React, Django, Django Rest Framework, Docker, SQLite, Oracle, Selenium
- **Other:** Docker, Git, Github, AWS, Google Cloud, Visual Studio Code, Jira

Work Experience

FullStack Developer Intern - 4GL

May 2021 - August 2021

- Developed 10 interface screens in **React** with asynchronous CRUD and validation used by 100+ clients
- Spearheaded multiprocessing development and optimized **Oracle** database calls to JSON ↔ excel converters creating **Django** models 60% faster and reducing memory usage by 70%
- Created scalable modals and customized components implemented throughout codebase in **React** and **Bootstrap**
- Transitioned 50+ models, viewsets, serializers and endpoints from **Oracle** db to **Django** through **Docker**
- Produced 15+ pre save and post delete signals for resequencing, validation and updating values in **Django**
- Led pair programming sessions and engaged in code reviews to ensure optimized code and proper code coverage

Software Developer Intern - Polar

September 2020 - December 2020

- Introduced **Python**, **Selenium** and **Django** testing guideline for **Django** objects, serializers, forms and ads
- Demoed features to managers and coworkers to explain design decisions and quickly iterate on feedback
- Reduced ticket workflow coverage by 30% by actively completing tickets with hard deadlines
- Raised specific issues in Jira, and trust to be involved in code reviews to provide meaningful feedback

Software Developer Intern - CAA

January 2020 - April 2020

- Scraped Glassdoor reviews using self-developed webscraper in **Python** and **Selenium** to track employee reviews
- Generated Deep Learning Topic Modelling Model using **Python** and **Scipy** to display popular trends and topics
- Developed automated directory sorting and storage, and a weekly email script of reports

Projects and Activities

Automated Event Scheduler

November 2020 - January 2021

- Created a full-stack event scheduler using **Django Rest Framework** and **Python** to automatically find optimal location of future event and based on user location, hours of operation, and specified query search
- Events created and requests are automatically sent to Google Calendar for recipients through **Google Cloud**
- Developed event registration, user login and event display forms with CRUD functionality in **Django** and **React**

Video Recognition System

October 2020 - January 2021

- Created facial recognition system AWS Rekognition, **Python** and **OpenCV** to verify user's existence in database
- Generated Front End System using **React** and **Django Rest Framework** to allow user access

Bank Loan Website

February 2020 - April 2020

- Built machine learning model with **Python** and **Tensorflow** to dictate loan approval/rejection with 92% accuracy
- Developed full-stack application with **Django REST API**, **SQLite** database and machine learning model
- Customized and designed various forms using **Bootstrap** and **HTML** within **Django** to create appealing UI

Education

University of Waterloo

September 2019 - April 2024

- Candidate for B.A.Sc. in **Honours - Computer Engineering GPA: 3.23**
- Relevant Courses: Data Structures and Algorithms, Digital Computers, Fundamentals of Programming