Jasmeet Singh

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EDUCATION

Washington State University

Master of Science in Computer Science, 3.86   *Jan. 2021 – Dec. 2022*

EXPERIENCE

Intel Corporation

Software Engineering Intern   *May 2022 – Nov. 2022*

- Developed a **Python**-based infrastructure to allow teams to store & track new architectural initiatives collaboratively
- Implemented **Pytest** based Unit tests for Githooks, enhancing bug detection speed by 30%
- Optimized **Githook** scripts by refactoring the codebase to reduce code duplication, lower maintenance overhead, and enhance flexibility, resulting in better customer control
- Automated documentation process in EdkRepo using comments in code through **doxygen**
- Participated in code reviews to align code with architectural standards & best practices

Unobot Inc.

Software Developer   *Nov. 2019 – Feb. 2021*

- Designed & developed **REST APIs** to facilitate integration with various social media platforms
- Developed **SQL triggers, functions & stored procedures** and refined **PL/SQL** queries using PL/SQL developer
- Utilized **APIs** from platforms like Twitter, Facebook, Instagram, and Google Play Store for integration
- Performed thorough testing using **Postman** to ensure seamless operation of **APIs**
- Implemented a picture composer feature into the transmigration system with **React**
- Developed **Django** class models based on SQL queries in **PostgreSQL** to provide efficient data processing
- Utilized **Azure** for cloud-based data storage & experienced using Azure as project management tool for development.

PROJECTS

Online Shopping Center | JavaScript, Python, React, Django, Redux, *PostgreSQL, AWS*   *Mar. 2023 – Apr. 2023*

- Developed a complex feature rich Full-Stack shopping website with comprehensive **Frontend, Backend & Database**
- Developed the backend **RESTful API** for an online shopping center using **Django**
- Developed the user login, shop content frontend components with **React.js, HTML, CSS, JavaScript, BootStrap**
- Implemented State Management for website using **Redux** to facilitate scalable and efficient application updates
- Designed, developed tables using **Django** class models and migrated data over to **AWS RDS** & **PostgreSQL**
- Utilized **AWS S3** for scalable database deployment and **Heroku** with **Gunicorn** for seamless Web app deployment

Customer Management System | Python, Django, *PostgreSQL, APIs, AWS, Frontend*   *Jan. 2023 – Feb. 2023*

- Developed a CRM portal that performs **CRUD** operations to help business maintain their shipments
- Added User Authentication, Password reset feature, Added customized dynamic content for admin & customers with **Django**, **HTML**, **CSS** & **JavaScript**
- Created database in **PostgreSQL** & designed, developed and migrated data using **Django ORM**
- Deployed database to **AWS S3** and web app to **Heroku** with **Gunicorn**

Toxic Comment Classifier | *Python, Scikit Learn, Ntlk, Numpy, Machine Learning*   *Sep. 2021 – Nov. 2021*

- Performed **Exploratory Data Analysis** & **Feature Engineering** to understand key performance indicators
- Restructured preprocessed data into feature vectors using TF-IDF Vectorizer to leverage **multi-label classification**
- Implemented Logistic Regression, KNN, Multinomial Naïve Bayes and Random Forest classifiers on transformed data and obtained average F1 score of **89.48%** for each label
- Increased accuracy score from 89.48% to **96%** by applying Hyper-parameter tuning and Ensemble Learning

SKILLS

Languages: Java, Python, JavaScript, C/C++, C#, HTML/CSS

Technology: Django/Flask, Spring Boot, React, MySQL, PostgreSQL, MongoDB, Redis, REST APIs, JSON/XML

Developer Tools: Git, VS Code, Anaconda, Intellij, Eclipse, AWS, Azure, Jenkins, Jira, Postman, Heroku