Shubham Singh

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EDUCATION

Indiana University Bloomington, IN

Masters of Science in Computer Science, GPA: 4.0/4.0 May 2024

Courses - Applied Algorithms, Applied Machine Learning, Software Engineering

Thadomal Shahani Engineering College, Mumbai

Bachelors in Computer Engineering, GPA: 9.23/10.0 May 2018

TECHNICAL SKILLS

Languages : Python, Java, PL/SQL, C, C++, JavaScript
Databases : MySQL, PostgreSQL, SQLite, MongoDB

Technologies : Flask, Docker, Git, JIRA, Django framework, React, Ant Design, Bootstrap, HTML5, CSS3, Heroku

ML Frameworks: Keras, PyTorch, Tensorflow

EXPERIENCE

Deloitte, Senior Software Engineer

June 2021 - June 2022

- Engineered an entire data flow process between two e-commerce applications by developing integrations using REST APIs via Oracle Integration Cloud. These APIs were **10x faster** on an average compared to the standard migration process.
- Improved 60% processing time during legacy data migration by PL/SQL optimization and tuning.
- Reduced user activity in the Receipt to Revenue Cycle (R2R), improving the daily revenue recordance and growth rate by 20%.
- Reduced user interference to zero by architecturing and developing multiple integrations between Oracle ERP On-premise and Cloud
 applications via OIC to automate the complex data flow between applications.
- Optimized Oracle Cloud applications by server level and client level caching thereby reducing load on resources by more than 40%.

Deloitte, Software Engineer

Aug 2018 - June 2021

- Developed Business Intelligence reports and dashboards for stakeholders, resulting in a **savings of around 150 man hours per quarter**, while providing critical metrics to monitor and improve business performance.
- Saved 50% server costs by developing a Custom module for OTM using Oracle PaaS (Platform as a Service) and integrated the same with Oracle EBS and Oracle Cloud applications.
- Worked closely with the stakeholders and the functional process owners to design and develop customized extensions in Oracle Cloud to **reduce company costs** and integrate the supplier payment cycle with the third party banking system.

PROJECTS

Home Credit Default Risk Prediction

Python, ML, Neural Networks, Docker

- Developed Models to predict whether a specific client will repay the loan they have taken out.
- Performed data preprocessing, exploratory data analysis, feature engineering, hyperparameter tuning and created baseline models using Naive Bayes, Random Forest Classifier, Support Vector Machines, Logistic Regression and XGBoost Classifier.
- Achieved AUC score of **73.61%** on Kaggle by implementing neural networks.

Cricket Win-Loss and Score Prediction Application

Python, ML, Neural Networks, Keras

- Co-developed a 20 over cricket match win-loss and score predictor using neural networks.
- Achieved 85% accuracy with SVM for winning team prediction and 75% accuracy for score range of the winning team.

Restaurant Finder System

HTML5, CSS3, JAVASCRIPT, PHP, React

- Developed a Web Application for Customers to find restaurants based on their selected location.
- Complete information about the restaurants is displayed and customers can either book a table or order for home delivery.

Automatic Weather Alert System [https://master.d2wpdjatd77d0u.amplifyapp.com/]

React, Ant Design, Django, PostgreSQL

- Designed and implemented a web application that offers automatic **real time weather alerts** to customers via email and SMS using their coordinates.
- Additionally, incorporated a manual email alert feature for users to access the latest weather information.

Navyug beneficiary registration [http://nbrmahapreit.in/]

React, Ant Design, JavaScript, Django, PostgreSQL

- Developed a registration system which is designed for the upliftment of SC community by providing them jobs, training and loans in various fields and segments. This project was funded by the **Government of India.**
- Created a streamlined 7-step profile system with single sign-on functionality, eliminating the need for repetitive form filling.