

GUNJAN VIVEK SWAMY

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EDUCATION

University at Buffalo, The State University of New York

Master of Science, Computer Science & Engineering

Buffalo, NY

February 2023

Relevant Coursework: Analysis of Algorithm, Computer Vision, Machine Learning, Database System

Ramdeobaba College of Engineering and Management

Bachelor of Engineering, Computer Science and Engineering

Nagpur, IN

June 2017

PROFESSIONAL EXPERIENCE

Accenture

Mumbai, IN

Senior Software Engineer

June 2019 - August 2021

- Enhanced the application to make it GDPR compliant using **JAVA/J2EE**, **SOAP/HTTP** and **RESTful** web services in **XML/JSON** format under strict deadline which resulted in savings of **£17.5 millions**.
- Successfully helped client boost credit card payments system to enable monthly plan payment by integrating with third party EasyPay.
- Owned multiple backend system that handled sales, refund, Employee Data and Access Management, Inventory Management, Payment Gateways, Internal Admin Sites.
- Solely led the effort to analyze areas in existing backend code for improving code quality. Automated client-side deployment process using shell-scripting and RPA software (Automation Anywhere) to reduce manual efforts by **92%**. The service is being extensively used by **12+** development and testing teams across project.
- Collaborated closely in Scrum **Agile** Environment with Solution Architects and Clients (domestic and international teams) in identifying project requirements and brainstorm ideas regarding new designs and prototypes.
- Supervised and mentored **10** junior team members, driven projects end-to-end, delegated tasks and ensured all collaborators were staying on schedule and meeting delivery dates, provided counsel on every aspect of the project.

Accenture

Mumbai, IN

Software Engineer

June 2017 – June 2019

- Improved ticket management by delivering a **Java(Spring)** based dashboard for internal use as a part of the automation initiative of the account, in addition to the above responsibilities.
- Conceptualized and developed product reservation through online ordering system and designed database component for seamless functioning of over 1000 retail stores in UK and Ireland during covid and helped client increase sales by 60%.
- Incorporated SMS notification services for products reserved through online orders.
- Executed Test Driven Development (**TDD**) and Continuous Integration (**CI**) using **Junit** frameworks and **Cruise Control** for maintaining accuracy and code quality.

Technologies/Frameworks Used – Java, Spring MVC, SOAP and Restful APIs, MySQL, Hibernate, Messaging Queues

SKILLS

Languages: JAVA, Python, C#, JavaScript, HTML, CSS, XML

Databases: MySQL, Postgres, SQLite, Oracle, MongoDB

Cloud/Certifications: AWS Developer Associate, Microsoft Azure (Fundamentals), Google Cloud Platform

Tools/Frameworks: Maven, IntelliJ, Eclipse, Tibco MQ, IBM MQ, Swagger, JIRA, Git, Flask, Apache Tomcat, Apache Solr, Junit

Others: Self-Motivated, Quick-Learner, Detail-Oriented, Strong communication skills

ACADEMIC PROJECTS

Sonar Email Tracking System

December 2022

- Chrome Extension written in **JavaScript**, **ReactJs** to incorporate read receipts in Gmail using **OAuth 2.0**, **Spring Boot**, **Restful APIs** deployed on **AWS EC2**. It has various features depending on type of subscription premium and non-premium, such as toggle extension on/off for email. Get a reminder if the recipient has not opened email for specific number of days. Dashboard to see user settings. Admin console to maintain and modify subscriptions.

Information Retrieval Chatbot – Associated with University at Buffalo

December 2022

- Implemented and deployed on **Google Cloud Platform** information retrieval based multi-topic chatbot written in **Python** with features like pseudo faceted search, context management on chitchat and **200K** reddit submissions. Used **BM-25** model based on **Solr** and **BERT** for ranking.
- The Chatbot can coherently converse for **>= 15 turns**.

Robust Learning System for Large-Scale dataset - Associated with University at Buffalo

November 2021

- Proposed and Implemented a Deep Learning model for noisy, multiclass, and imbalanced MNIST dataset, using SVM as pre-processor for Label- Distribution-Aware Margin Loss DL model in **Python**. The new model was able to achieve **98.76%** accuracy on imbalanced and asymmetric noisy MNIST dataset.
- Principal Component Analysis was used to reduce the dimensionality of data and pick the best features.