Vidit Makwana

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EDUCATION

University of Maryland *Aug 2019 - May 2023*
B.S. in Computer Science, Minor in Business Analytics, *Cum Laude*
Mortar Board Honor Society, Kappa Theta Pi, Smith Minor Ambassador

EXPERIENCE

Software Engineering Associate August 2023 – Present
Capital One *McLean, VA*
- Managing 10+ ML applications, ensuring their compliance with regulatory standards and mitigating potential risk
- Streamlining the data retrieval process using Databricks to reduce time consumption by a significant 30% daily
- Automating the ETL workflow to expedite the generation of compliance reports by 50% with Selenium and Pandas

Teaching Assistant January 2021 – May 2023
University of Maryland *College Park, MD*
- Mentored approximately 150 students in Relational Databases in PostgreSQL
- Monitored lectures, graded major assignments, and provided feedback on database techniques
- Facilitated curriculum and instructed students on querying techniques, importing and exporting data, and data mining in lab sessions every week

Software Engineering Intern June 2022 – August 2022
WeWork *New York, NY*
- Designed and implemented a functioning documentation site for the new design system using React and Tailwind
- Integrated Algolia to reduce search time for components and foundations by 33%
- Automated a script to monitor the integration of the design system across every front-end product with JavaScript

Software Engineering Intern June 2021 – August 2021
Liberty Mutual Insurance *Seattle, WA*
- Implemented a new interface for independent agents to improve user experience for viewing policies using .NET
- Abstracted the data retrieval process to support multiple policy types using C#
- Refactored the Customer Activity Profile using Partial Pages to assist 90% of independent agents to view it in modern browsers

CERTIFICATIONS AND TECHNICAL SKILLS

AWS Certified Solutions Architect - Associate
Languages: Java, Python, C, C#, JavaScript, PostgreSQL, HTML, CSS, R, Ruby, OCaml, Rust, SAS
Frameworks: Flask, Bootstrap, ASP.NET, React, Tailwind, Snowflake, Databricks
Developer Tools: Git, Visual Studio, VS Code, Eclipse, Emacs, Jira Software, Bitbucket, Jupyter Notebook, Tableau

PROJECTS

ML Tutorial to Predict Popularity of Spotify's Top Songs | *Python, Jupyter Notebook* | *viditmakwana.github.io*
- Tidied Spotify's top songs during 2020-2021 and conducted Exploratory Data Analysis using Pandas and NumPy
- Visualized data in numerous forms to identify trends between various factors and popularity using Scikit-Learn
- Utilized multiple machine learning algorithms to train our models and calculate the accuracy of these models in predicting the popularity of these top songs

LibertyIn | *Python, Flask, JavaScript, SQLite, Bitbucket, Bamboo*
- Developed a web application portal for Liberty Mutual TechStart Interns to connect with mentors using Flask
- Designed a web page to analyze the interests of each intern and mentor to algorithmically match them with HTML
- Integrated Microsoft Teams to automate the invitation process for future meetings between each intern and mentor

CaDC Data Parser | *Python, Flask, JavaScript, PostgreSQL, Git*
- Developed a user interface for the California Data Collaborative with a team of software engineers
- Cleaned, aggregated, and displayed the data given by customers from an existing database to their dashboard
- Coordinated with the project manager, frontend engineers, and backend engineers with Notion