Vidit Makwana

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EDUCATION

University of Maryland *Expected May 2023*
B.S. in Computer Science, Minor in Business Analytics, *Dean's List* GPA: 3.91
Mortar Board Honor Society, Kappa Theta Pi - Director of Professional Development, Business Analytics Ambassador

TECHNICAL SKILLS

Languages: Java, Python, C, C#, PostgreSQL, HTML, CSS, R, Ruby, OCaml, Rust, SAS
Frameworks: Flask, Bootstrap, ASP.NET
Developer Tools: Git, Visual Studio, VS Code, Eclipse, Emacs, Jira Software, Bitbucket, Bamboo, Jupyter Notebook

EXPERIENCE

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

Teaching Assistant January 2021 – May 2021
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

Technology Instructor June 2020 – August 2020
Lavner Camps and Programs *Remote*
- Guided and introduced students to various programming concepts in Java
- Mentored students through the process of constructing and publishing their own Amazon Alexa Skills in Node.js
- Introduced students to cybersecurity concepts by helping them develop an encoder/decoder to implement a Caesar cipher in Scratch

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

Ace-Rithm | *HTML, CSS, JavaScript, Bootstrap, Git*
- Developed a website for a local small business owner and coordinated with another developer using Git
- Integrated booking software from Square to handle appointments
- Implemented a responsive and modern design using Bootstrap