**[Software Engineer Information Technology](https://www.postjobfree.com/resume/ad14mr/software-engineer-ellicott-city-md)**

**Location:**Ellicott City, MD

**Posted:**December 20, 2023

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**Resume:**

Mohit Bogineni

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University of Maryland: College Park College Park, MD Dual Bachelors of Science in Computer Science and Mathematics, Minor in Business Analytics 2021 – 2025 GPA: 3.79/4, Dean’s List, UMD Scholars: Science, Tech, & Society Coursework

Data Structures (Java), Computer Systems (C and Assembly), Discrete Math, Functional Programming (Ocaml), Algorithms, Data Science (Python), System Security, Statistics and Probability Experience

Information Technology Field Technician April 2022 – Present University of Maryland Classroom Support College Park, MD

• Respond to calls from professor, faculty, and students across campus regarding hardware and software issues

• Assess, troubleshoot, and resolve technical issues on-site in the various classrooms around campus

• Communicate the troubleshooting process to ensure problems can be fixed should they arise elsewhere Software Engineer Intern June 2023 – Aug. 2023

Thales Defense & Security Inc Clarksburg, MD

• Utilized Linux, Python, and Networking knowledge to merge streams of Satellite and Antenna data into a single unified source

• Developed and Trained a variety of Machine Learning Models to predict the potential of connectivity issues

• Incorporated threads into existing systems to run processes efficiently and reduce hangups

• Compiled a variety of python scripts to streamline data collection and analysis

• Created detailed writeups for each script so they can continue to be used properly in the main functionings of the company after the end of the internship

Projects

Show Scorer CLI Tool Python, Pandas, Tensorflow, mySQL Sept. 2020 – Sept. 2022

• Developed and Maintained Command-Line Interface tool using Python to allegorically rate and recommend shows based on individual episode enjoyment

• Used a back propogation neural network to help users rate show based on how they perceived individual episodes and overall impact.

• Utilized cosine similarity and content filters to create a content-based recommendation engine to suggest new shows to users, while also providing them control over their recommendations

• integrated with AniList REST API to update watch status and score on the anilist website. Testudo’s Choice Web-Application Javascript, Node.js, HTML/CSS, REST API Apr. 2023 – June 2023

• Worked with a team to develop a web-application using JS as the backend and HTML/CSS as the frontend

• Allows users to enter the name of a class and receive an AI-powered analysis via the OpenAI API comparing the pros and cons of different professors teaching the class at UMD

• integrated with UMD’s API to retrieve information and reviews about specific classes and professors

• Stored course information and analysis on the cloud through cockroachDB to reduce processing costs and store data securely

Others Python, C#, REST API

• Mod in C# for the popular game Terraria which garnered thousands of downloads during its run

• Variety of different discord bots based on GPT-2 trained off of private discord servers using google collab and google drive

• Python Program using the Spotify and Last.fm API to create a uniquely tailored playlist for a user Technical Skills

Languages: Java, Python, C, C#, Javascript, Ruby, Ocaml Technologies/Frameworks: REST APIs, Linux, SQL, Git, Docker, Node.js, Flask Developer Tools: Google Collab, VS Code, Visual Studio, PyCharm, Eclipse Libraries: Tensorflow, Pandas, NumPy, Matplotlib, Express