Abhiram Rustagi

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EDUCATION

The Ohio State University   **Columbus , Ohio**

B.S. Computer Science and Engineering, Mathematics Minor (Honors Research Distinction, GPA: **3.74**/4.0)   *Dec 2024*

Undergraduate Research Assistant:
- Incorporating Payment Channel Network (PCN) into the Bitcoin blockchain network
- Data collection of Phase angles for **5G mmWaves.**

Undergraduate Teaching Assistant: Fundamentals of Engineering (ENGR 1811)
- Tutored students and graded assignments for a class size of 72 students

Relevant coursework: Software Development, Computer Architecture, DSA, Networking, Operating Systems, Linear Algebra, Inclusive Leadership, Technical Communication

Certifications: JP Morgan SWE Virtual Experience

TECHNICAL SKILLS

Languages Familiarity: Java, Python, React, C, X86-64, CSS, JavaScript, SQL, MATLAB

Technologies/Frameworks: Docker, Linux, Kubernetes, Node.js, Express, MLFlow, MySQL, Git, Beautiful Soup, AWS, Spark, Databricks, JIRA, Eclipse, Postman, Confluence

EXPERIENCE

OCLC, Dublin, OH

Data Science Intern   *May 2023 – Aug 2023*
- Implemented deployment of a trained ML model on AWS SageMaker and Kubernetes using MLFlow and kubectl.
- Achieved **83%** performance improvement in local inference time from the deployed model on Databricks
- Built a Python client to communicate with a Kubernetes cluster, enabling model prediction inference and reducing the time for a single request by **47%**
- Filtered worldcat.org (400M>) to identify 7M> records that are to be deleted from the database, done using SQL, Python
- Applied SQL querying techniques to filter **95%** records from a dataset of 750,000 entries.

Nationwide, Columbus, OH

Data Science Intern   *Aug 2022 - May 2023*
- Migrating Job orchestrations from IBM SPSS to GitHub. Documented over 400 jobs from IBM SPSS
- Using git to push changes and merge branches in GitHub while understanding industry standard best practices
- Documenting Shell scripts and other SQL queries and merging code into GitHub.

CIS OnRamp, Columbus, OH

Data/Innovation Analyst   *June 2022 - July 2022*
- Analysed current footfalls at Easton Multipurpose and developed strategies to increase customer engagement
- Strategies involved engaging students in events, gaming, and other incentives with the help of existing businesses
- Upon implementation, student footfall at Easton mall is expected to increase by 25%

PROJECTS

playlistCreator – Spotify playlist generator (Github)
- Created a script with Spotipy to generate personalized Spotify playlists based on user's mood and OAuth2 auth
- Used user's input (mood) to search and add tracks to a new playlist. Hence automating playlist creation

BloggingBlog – Full stack blog website (Github)
- Created a full stack website using MERN stack with RESTful API functionality
- Authenticated users using Firebase and deployed the website on Google Cloud

makerAPI – A recipe finding website (GitHub)
- Developed a website to search and give out recipes for a million+ dishes with the Eduman Recipe Search API
- Technology Used: React.js, learned about Hooks

AWARDS AND LEADERSHIP

1st Position at Data for Good hackathon hosted by JP Morgan Chase   *Oct 2023*

OSU Table Tennis Team **Captain,** Buckeye Table Tennis Club

Member of the ACM community

Dean's List – Fall 2021, Fall 2022, Spring 23