

Abhiram Rustagi

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Education

The Ohio State University — M.S in Computer Science and Engineering, *GPA: 3.9/4.0* Dec 2025
The Ohio State University — B.S in Computer Science and Engineering *GPA: 3.73/4.0* Dec 2024
Mathematics Minor and Honors Research Distinction, Thesis - Effective Routing in PCN, Magna Cum Laude
Relevant coursework: Software Development, Web Apps, DSA, Networking, Operating Systems, Game Design, Linear Algebra, Inclusive Leadership, Technical Communication, Data mining, Combinatorics
Certifications: CodePath TIP2

Technical Skills

Programming: Java, Python, React, C, X86-64, JavaScript, SQL, MATLAB
Technologies: Docker, Linux, Kubernetes, Node.js, Express, MLFlow, MySQL, Git, Beautiful Soup, AWS, Spark, Databricks, JIRA, Postman, Confluence, DBeaver

Experience

Nationwide Columbus, OH
Software Engineer Aug 2025 - Present

- Built interactive data visualization dashboards using OpenLineage UI and Podman for containerized workflow monitoring.

Vertiv Westerville, OH
Data Science Intern May 2025 - Aug 2025

- Designed and evaluated machine learning models to denoise and detect anomalies in incoming time series data using Python, improving overall data quality by removing more than **10%** of noisy data points.

The Ohio State University Columbus, OH
Data Engineer Dec 2023 - May 2025

- Automated the creation of 500+ SQL queries using Python to flatten JSON objects into key-value pairs.
- Developed a Python DAG to convert CSV files to Parquet, upload to S3, and load them into Redshift.

Velocity Software Westerville, OH
Software Engineering Intern May 2024 - December 2024

- Developed the backend to automate report generation, seamlessly integrating with the existing frontend.
- Enhanced the frontend to create a dashboard for managing automatically generated reports using HTML, CSS, and REXX.

The Ohio State University Columbus, OH
Research Assistant Jan 2024 – December 2024

- Developing a routing algorithm in Payment Channel Networks, leveraging LSST to increase throughput in blockchain networks. Supervision under Professor Shaileshh Bojja.
- Developed mmWave radar software for real-time human vital signs monitoring, enhancing program efficiency and accuracy.
- Teaching Assistant: Managing and mentoring **72** students in the Fundamentals of Engineering course (ENGR 1181)

OCLC Dublin, OH
Data Science Intern May 2023 - Aug 2023

- Deployed a trained ML model on AWS SageMaker and Kubernetes using MLFlow and kubectl.
- Built a Python client for Kubernetes cluster, reducing request time by **47%**.
- Filtered worldcat.org (400M+ records) to identify 7M+ deletable records using SQL and Python.

Projects

climbCom – A climbing community (Github): Built a React + Firebase web app for climbers, with text classification to approve climbing-related posts.

cityMover – JPMC Data for Good Hackathon (1st Place): Applied KMeans clustering on Ohio metrics (poverty, crime, income) to identify optimal city pairings for relocating families.

Awards and Leadership

- Section Mentor for Code in Place'25 hosted by **Stanford University**
- Selected to participate in **JPMorgan's Code for Good 2024** hackathon
- OSU Table Tennis Team B **Captain** — 3rd place - Table Tennis, Asian Sports Festival
- Awarded the **Undergraduate Engineering Research Scholarship 2024** in recognition of academic excellence.