

Gaurav Adhikari

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EDUCATION

Bachelor of Science in Computer Science.
Howard University, Washington, DC

GPA: 3.95

Projected Graduation: May '26

COURSEWORK AND TECHNICAL SKILLS

Courses: Computer Science III, Fundamentals of Algorithms, Data Structures, Operating Systems, Large Scale Programming, Theory of Computation, Discrete Structures, Intro to Linear Algebra, Calculus II, Comp Org II

Languages/Tools/Frameworks: Java, Scala, Python, TypeScript, Swift, React, MATLAB, Pandas, SQL, AWS

WORK EXPERIENCES

Amazon Inc, Tempe, AZ [SDE Intern]

May '24–Aug '24

- ❖ Developed a new event-driven service to accelerate lead processing times for onboarding emerging brands
- ❖ Implemented real-time, multi-part form processing algorithm for large csv/excel files [50,000] rows and provided instant feedback, validation along with making service scalable, maintainable using design patterns paradigm.
- ❖ Pioneered configuration-driven development and enabled easy integration of future programs without code changes, resulting in a 50% reduction in development time

Howard University Economics Department [Research Fellow]

Aug '23–Current

- ❖ Applied data science and computer science expertise to support economics research projects being conducted
- ❖ Working on Rent-Control project for DC Housing Authority and analyzed DC housing data to assess the implementation and impact of rent control policies

Amazon Inc, Detroit, MI [SDE Intern]

May '23–Aug '23

- ❖ Developed a JSON-based testing tool for Amazon Seller Support, reducing developer testing efforts by 90%
- ❖ Enhanced solution validation by precisely replicating Amazon Seller Support's rendering logic, ensuring thorough testing before deployment, and preventing potential customer issues

Howard University Computer Science Department [Research Assistant]

Sep '22–May '23

- ❖ Co-authored a peer-reviewed paper "Evaluating sentiment classification models for African languages" which was accepted at the ICLR 2023
- ❖ The paper evaluated the machine learning models for 12 different African languages by translating them to English, fine-tuning two BERT Models and assessing the model performance [Link](#)

KEY PROJECTS

Coronary Heart Disease (CHD) Risk Prediction System | ML, Python

- ❖ Built Machine learning models to predict the CHD with the goal of finding out whether a patient has a 10-year risk of CHD. Best model had an accuracy score of **0.85** and precision class of **0.7**

Lyric Finder Project | React Native, Typescript

- ❖ Designed and developed lyric finder mobile application, utilizing advanced search algorithms and integrating the Musixmatch API to accurately identify songs from partial lyrics, offering users access to a vast database of song

AWARDS AND ACHIEVEMENTS

Google HBCU DC Hackathon:

- ❖ Finalist (Top 6 of 25 Teams) at Google HBCU Hackathon for "AI DIY Generator Project"

Stark's Scholar CEA Mentorship Program

- ❖ Served as mentor to CEA freshmen, fostering their academic and personal development.

Capstone Scholarship, Howard University

- ❖ Earned a prestigious merit-based scholarship totaling over \$100k in recognition.

AWS Deep Racer Competition

- ❖ Awarded gifts and cash prizes as the second runner-up in competitive AI racing league, where we applied ML skills to race a car.