Sandip Khatri

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EDUCATION

Howard University, *Washington DC,* **GPA: 3.77/4.0**   *Expected Graduation: May 2026*
Bachelor of Science in Computer Science
Honors: HU Leadership Scholar
Relevant Coursework: Computer Science I, II & III (Python), Introduction to Computer Science (Python), Computer Organization I & II, Cloud Computing, Introduction to Computer Network, Exploring Computer Science, Calculus I & II, Linux Lab,
Active member of *Google Developer Student Club*

SKILLS

Programming Languages: Python, JavaScript, JAVA, TypeScript, HTML, CSS,
Software/Frameworks/Systems: Linux, Git/GitHub, Angular, React, Matplotlib, NumPy, Pandas, Figma

WORK EXPERIENCE

NASA's DEAP Project Data Analyst, *Howard University, Beltsville*   *August 2023 – Present*
- Responsible for in-depth analysis of DEAP instrument data at NASA, focusing on Aerosol Optical Depth (AOD) and Water Vapor measurements to assess their effects on pollution and environmental health.
- Utilized advanced data analytics techniques, including time series analysis and machine learning models to analyze pollution trends at Goddard Space Flight Center, Beltsville, and McMillon.
- Revealed intricate pollution level details in these areas, contributing to a deeper understanding of atmospheric interactions and supporting NASA's environmental research efforts.

Teaching Assistant, *Computer Science, Howard University*   *August 2023 – December 2023*
- Assisted the Google In Residence instructor (GIR) in the CSCI-100 course by supervising class meetings and answering student questions during lectures and labs.
- Responsible for testing and grading for a class of 250+ students, emphasizing Python-based assignments.
- Conducted weekly office hours to assist students with varying prior programming experience on concepts like data structures, control flow, etc.

Software Engineering STEP Intern, *Google Inc., New York, NY*   *May 2023 – August 2023*
- Worked closely with a dedicated Google Cloud Storage UI team to build a subtask that lets users view and configure the settings for an upcoming high priority GCS feature.
- Executed the entire development process for the project, including writing comprehensive technical design documents, researching various design approaches, and implementing the solution.
- Wrote comprehensive unit and screenshot testing, complying with Google's code review process to uphold code integrity, minimize bugs, and ensure the use of best coding practices.

PROJECTS

Developer, Meme Web – *An Android Application*   *May 2021*
- Developed and published an android application "Meme Web" in the Google Play Store which contains hundreds of free meme templates, and videos retrieved from the database.
- Implemented image editing feature by which users can create memes.

College Thrift, *Hack UMBC*   *October 2022*
- Developed a secure marketplace application for college students using Flutter and Dart, implementing a college email verification system to ensure user's safety and security.
- 1st place for *Community Impact Project* involving 120 other participants.

Donate Me, *Civic Tech Hackathon*   *February 2022*
- Developed a user-friendly Flutter fundraising app with real-time contribution tracking, integrating an ML-based algorithm for automated allocation of unused funds to financially challenged students based on verified bills.
- Attended workshops & gained foundational knowledge in developing & training ML models, with a focus on neural networks.

ACTIVITIES

Goldman Sachs Market Madness Scholar, *Goldman Sachs, Virtual*   *January 2024 – Present*
- Selected from over 500 applicants for a prestigious semester-long financial education program led by Goldman Sachs, focusing on advancing skills critical for success in the financial services sector.
- Engaging in a competitive capstone project as part of a team, applying key financial concepts in a case study competition, demonstrating strong analytical abilities and teamwork.

IT HEAD, *Interact Club of Goldengate International College*   *July 2020 – June 2021*
- Conducted a week-long *Code Camp* in the collaboration of Kathmandu University which benefited over 150 students from 20 different schools in getting knowledge of basic programming skills.
- Organized an event "Goldengate Conclave" at which students got an opportunity to hear the importance of diverse fields from the respective leaders of Nepal.

AWARDS AND HONORS

- **Finalist at The Resolution Project – 2022**
  Participated in the Resolution Project and proposed a startup idea in the multi-stage Social Venture Challenge and became the finalist of the fellowship.