Aaditya Anand

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EDUCATION

University of Maryland, Baltimore County　　　　　　　　　　　　　　**Aug, 2023 – May, 2025**

Master of Science in Computer Science (3.35/4.0)　　　　　　　　　　　　　*Baltimore, Maryland*

Medi-Caps University　　　　　　　　　　　　　　　　　　　　　　**Aug, 2019 – May, 2023**

Bachelor of Engineering in Computer Science CGPA (3.6/4.0)　　　　　　　　　　*Indore, India*

EXPERIENCE

University of Maryland, Baltimore County | *Graduate Assistant, COEIT*　　Baltimore, MD | **Aug, 2024 – Present**

- Utilized Python scripts and spreadsheet automation to efficiently grade homework and exams for over 70 students, reducing grading time by 35% while ensuring consistent and accurate assessments of complex mathematical concepts.
- Worked closely with the professor to ensure adherence to academic integrity policies and provided students with resources to enhance learning, fostering a collaborative and honest learning environment.

Intellicus Technologies | *DevOps Intern*　　　　　　　　　　　　　Indore, India | **Feb, 2023 – Aug, 2023**

- Spearheaded the deployment of Kyvos Product on diverse cloud platforms including AWS, GCP, and Azure, enhancing accessibility and scalability.
- Engineered a streamlined workflow by integrating Jenkins and Selenium automation tools, leading to a 65% efficiency improvement and a 85% enhancement in build stability.
- Fostered cross-functional collaboration among development, testing and deployment teams, streamlining DevOps processes and aligning them with project objectives; mitigated delays and backlogs resulting in a 70% reduction in project completion time.

Indian Institute of Technology, Kharagpur | *Research Intern*　　　　　Kharagpur, India | **Sep, 2022 – Dec, 2022**

- Created an automated web-scraping tool utilizing Python's Selenium Library to extract user reviews from various travel websites, encompassing tourist attractions, hotels, and holiday homes.
- Utilized data to create a city-wise Resident Satisfaction Index, achieving an accuracy rate of 92%.

TECHNICAL SKILLS

Languages:	C, C++, Python, R, Bash
Web Technologies:	HTML5, CSS3, JavaScript, Node.js
Data Technologies:	MySQL, MongoDB, Hadoop, S3
Miscellaneous:	MS Suite, Git/GitHub, Jira, AWS, GCP, Azure

RELEVANT COURSEWORK

- Algorithms
- Data Structures
- Database Mgmt.
- Artificial Intelligence
- Machine Learning
- Data Science
- Adv. Operating Systems
- Data Visualization
- Software Engineering
- Computer Architecture
- System Design
- Objected Oriented Prgming.

PROJECTS

You've Been Hacked

- Developed a platform to help security researchers, IT administrators, and policymakers, explore and analyse data breaches, through powerful interactive visualizations.
- Implemented an Elision Chart and Bubble Cluster Chart using D3, and a Dashboard using Tableau, to provide a comprehensive view of data breaches.

Distributed File System

- Created a DFS featuring both pessimistic and optimistic replication strategies. Moreover, leveraged GRPC procedure calls, managed multiple threads, and deployed Bully algorithm to elect a new master server in case of node failure.

Credit Card Fraud Detection

- Scrutinized and pre-processed multiple datasets and deployed multiple anomaly detection algorithms such as local outlier factor and isolation forest algorithms.

LEADERSHIP & COMMUNITY SERVICE

- Worked as President, Students Technical & Innovation Club, Medi-Caps University (2021-22).
- Organized a science fair on National Science Day (2022) which saw a participation of more than 2500 students.
- Volunteered in multiple blood donation camps and plantation drives as a member of the National Service Scheme.