Daksh Mehta

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Education

SUNY Binghamton **Expected Graduation: May 2025**
Bachelor of Science in Computer Science *Cumulative GPA: 3.83/4.00*
Honors: Upsilon Pi Epsilon Honor Society
Dean's List: Fall 2021 - Spring 2024
Relevant Courses: Data Structures and Algorithms, Operating Systems, Machine Learning, Intro to Cybersecurity

Technical Skills

Languages: C/C++, Java, JavaScript, HTML/CSS, SQL, PHP, Python, LaTeX, Rust
Tools: Git, VS Code, Linux, PL/SQL Developer, Jupyter, Docker, Kubernetes, Vim, Emacs, REST API, Splunk
Frameworks: React.js, Node.js, Next.js, Tailwind CSS, Mocha.js, Chai.js, Sinon.js, Laravel, Jasmine.js, Matplotlib

Experience

Developer/Programmer Analyst Intern **April 2023 – Present**
Binghamton University *Vestal, NY*
- Spearheaded campus-wide Wi-Fi data gathering tool using SplunkAPI and OracleDB to improve network insights
- Contributed 100+ unit tests using Mocha.js, Chai.js, and Sinon.js for increased code coverage and maintainability
- Developed 10+ micro-apps with API integration using a web-based IDE to streamline the University web portal

Projects

Portfolio Website **Next.js, Tailwind CSS, Javascript, Git**
- Architected a responsive, mobile-friendly portfolio website with Next.js and Tailwind CSS
- Deployed and scaled portfolio globally on Vercel, ensuring fast performance and accessibility
- Advanced personal comprehension of modern web development design principles through hands-on experience

Wi-Fi Data Gathering Project **Laravel PHP, Splunk, SQL, OracleDB**
- Constructed a REST API which gathers real-time Wi-Fi connections and disconnections at Binghamton University
- Employed Splunk Search Processing Language to query thousands of log events and gather relevant data
- Processed network events from Splunk using Laravel PHP and inserted 100+ new records into an Oracle Database
- Collaborated with the University IT analytics team to uncover insights from over 10 million records

Traveling Salesman Problem Analysis **Python, Matplotlib, Git**
- Fabricated Greedy and Dynamic Programming implementations of the Traveling Salesman Problem in Python
- Visualized routes taken by each approach using Matplotlib and calculated time elapsed for easy comparison
- Demonstrated 43% faster execution time for Greedy algorithm compared to Dynamic Programming approach
- Analyzed accuracy and determined Dynamic Programming outperformed Greedy on 87% of the test cases

Leadership/Extracurriculars

Vice President of Student Success, *Executive Director of Finance* **May 2024 – Present**
- Oversee the finances of the Vice President of Student Success office and mentor the Director of Finance
- Encourage active civic engagement and voting on campus in an autonomous 501(c)(3) office
- Facilitate the participation of 200+ on-campus student organizations in public concerns and outreach

Upsilon Pi Epsilon Honor Society, *Treasurer and Event Coordinator* **May 2024 – Present**
- Collect dues from new members and assist the President and Vice President with overseeing officer duties
- Manage the budget and coordinate events to engage current members while attracting prospective members

Hindu Student Council, *President* **May 2024 – Present**
- Organize events and collaborations throughout the semester to expand the multicultural space on campus
- Secure grants from various foundations from Binghamton University and large external corporations to fund events
- Delegate administrative work and oversee the responsibilities of the executive board members