Swag Adhikary

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EDUCATION

University of North Carolina at Chapel Hill – Chapel Hill, NC   May 2025
- *B.S. Computer Science | GPA: 3.838*
- Awarded Harvey Duke $6K Scholarship
- Work-Study at School of Education IT Department
- Placed out of Intro to Programming | Completed Discrete and Calc III | Finishing Data Structures and Linear Algebra

Wake Technical Community College – Durham, NC   July 2022
- Certificate in IT- Web Development Fundamentals
- Dual Enrolled in High School for College Transfer

Cary High School – Cary, NC   June 2022
- GPA: 4.57 | Rank: 11 | SAT: 99th Percentile
- Varsity Soccer | Varsity Tennis

SKILLS

Programming Languages: *Python, MATLAB, HTML, CSS, MySQL, Visual Basic, Java, JavaScript*
Software & Frameworks: *VSCode, WordPress, Elementor, Apache, FileZilla*
Certifications: Python from Microsoft, PCAP from Python Institute, IT-WebDev from Wake Tech, John Deer Sponsorship prize

EXPERIENCE

EdIT (UNC School of Education IT) – Chapel Hill, NC   August 2022 - Present
Student Technology Assistant
- Assisted staff and faculty with technical issues to ensure a smooth operation for the School of Education
- Troubleshooted various equipment such as laptops, iPads, projectors, servers, etc.
- Imaged 50+ devices and wiped ~100 HDDs/SSDs through coordinated effort with coworkers
- *Destroyed data via BitRaser; employed Jamf for MacOS and batch script for Windows to automate app installation*

Everest Nepali Kitchen – Cary, NC   October 2022 – November 2022
Website Development Intern
- Broadcasted coupon code to 160 customers through FiveStars leading to $70+ dollars saved in 1 week
- Tweaked pre-existing website on WordPress to fix errors
- *Enhanced User Interface through Zaytech plugins and Optimized SEO via Yoast*

Zebra Robotics – Cary, NC   March 2022 - August 2022
Programming and Robotics Instructor
- Trained 150+ students ranging from grades 3 – 10 for 20 – 30 hours weekly
- Taught hardware and software components of robotics
- Challenged students with programing problems in Python and Web Designing in HTML/CSS
- *Utilized MicroPython for higher level Ev3 robots and Block-Based programming for Spike Hubs*

TECHNICAL PROJECTS

HackNC Sponsorship Prize from John Deer – Chapel Hill, NC   November 2022
- Invented a contraption to measure humidity, temperature, heat index, and water level in soil
- Uploaded soil content data to Firebase to be extracted as JSON and visualized on Colab
- Embedded the Colab gist on our website which we hosted with REACT
- Awarded $400 in Best Agricultural Innovation Award (John Deere) and Interview by Infosys for Best Junior Hackers

Clap-Controlled Car – Cary, NC   June 2020
- Developed a miniature car using an Arduino, a sound sensor, and other supporting systems
- Programmed the microcontroller to move the car right upon 2 claps, left on 3, and backward on 4

Exercise Machine – Cary, NC   July 2020
- Assembled buttons, wires, LCD display, batteries, etc., to create a device to sort through various timed exercises
- Soldered a left, home, and right button to change work-out routine, a potentiometer to adjust screen brightness, and a timer to beep upon end of a set and in the morning as an alarm