Adyan Zaman

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EDUCATION

University of California, Merced   Expected Graduation: **May 2027**
Bachelor of Science, **Computer Science & Engineering**   Cumulative GPA: **3.5**
Relevant Courses: Discrete Math | Advanced Programming Python | Advanced Programming C++ | Calculus 2

PROJECTS/ RESEARCH

Software Development Lead - Farm-ng | Merced, CA   **February 2024 - May 2024**
- Developed a specialized attachment for the Farm Robotics Challenge to minimize crop yield loss due to growth irregularities.
- Collaborated with industry experts, presenting compelling data and proposals that effectively secured $5000 in funding.
- Engineered a Rest API for managing data and instructions, optimizing a seed-drilling machine for enhanced planting.

Software Developer - Team Cartographer (NASA S.U.I.T.S) | Merced, CA   **December 2023 - May 2024**
- Development in LMCC (Local Mission Control Console) Team as part of the 2024 NASA S.U.I.T.S Challenge.
- Learning and Implementing A* Search Algorithm using Python and Unity, gaining skills with the utilization of git.
- Enhancing experience on React.js, Typescript, and Tailwind by designing and implementing on a private console.
- Gaining coding knowledge by experimenting and testing using AR/VR, Web development, and RESTful API.

RFD - Reconnaissance Fire Drone - Team Lead | Merced, CA   **November 2023 - May 2024**
- Led and constructed a drone with the purpose of facilitating a search and rescue with a team of student engineers for experience.
- Employed Arduino, C++, and Fusion 360 for drone testing and development, advancing firefighting technology knowledge.
- Facilitated meetings with project leads, fostering collaboration that accelerated design and implementation to develop a new tactic.
- Orchestrated integration of software and hardware components, ensuring seamless communication between the drone's systems.

AI & Software Application for LA River Preservation - UCM CADE - Best In Class   **December 2023**
- Conducted extensive research and applied machine-learning techniques for environmental data analysis and modeling.
- Developed a feasible approach using PyTorch and neural networks to analyze and propose solutions for preserving the LA River.
- Presented Research and Idea Proposal to Professionals, ultimately winning Best In Class for my section in the University.

PROFESSIONAL DEVELOPMENT

Administrative Assistant - Associated Students of the University of California, Merced   **August 2024 - Present**
- Led and documented 10+ meetings, record minutes and optimize information flow by 20% through systematic processes.
- Developed and managed data-driven spreadsheets, automating the tracking of Annual Reports with 99% accuracy using Excel
- Analyzed team performance metrics and collaborated with executives, boosting productivity by 15% through innovative workflow.

Director of Membership Development - Kappa Sigma Fraternity   **August 2024 - Present**
- Plan strategies for membership engagement and retention, tailoring programs to strengthen relationships among over 50 brothers
- Organize and coordinate social events, ensuring logistics, budgeting $3000, and participation are effectively managed.
- Collaborate with fraternity leadership to align event planning with the chapter's mission, ensuring successful outcomes for all.

SHPE UC Merced Freshman Representative   **January 2024 – May 2024**
- Develop skills and growth within our community with the council of students in the organization to help our club.
- Coordinated outreach activities for the freshman committee, working diligently to promote SHPE's mission.
- Organized educational workshops and technical skill-building sessions tailored for freshmen, emphasizing practical knowledge.

SKILLS/ETC

Technical Skills: HTML/CSS | Python | C++ | Java | Git | Arduino | Unity | React.js | Typescript | Fusion 360 | API Integration
Languages: Fluent in English | Bengali | Conversational Spanish
Awards: 2023 Kline Foundation Scholar - An elite program from Jerry Kline, 10 students who chose to study
away from their hometown were selected to receive a generous donation from an alumni from Polytechnic High.
 2x LA Marathon Finisher - Team Captain, SRLA Scholarship Recipient 2023