Nowshin Anber

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EDUCATION

Florida International University |Honor's College| Miami, FL
Computer Science (B.S.)   **Expected Graduation: December 2025**
  ● GPA: 3.99/4.00 (**Dean's List**)
Relevant Coursework: Programming I & II (Java), Intro to Web Development (CodePath), Calc I & II, Discrete Structures, Probability & Stats for CS
Associations: INIT FIU (former Upsilon Pi Epsilon), Women in Computer Science (WICS), Women in Cyber Security

SKILLS

Computer: Java, Python, CSS, Javascript , HTML , C, SQL, Dart, MATLAB
Languages: English (fluent), Bengali (fluent, native), Hindi, Urdu

WORK EXPERIENCE

Software Developer Intern | NCSA, University of Illinois Urbana Champaign   **Summer 2023**
ACCESS Student Training and Engagement Program (STEP)
  ● Creating embeddable web apps using Vue.js, Ajax, HTML, Javascript & CSS for ACCESS portal

Undergraduate Research Assistant| FIU College of Engineering | Miami, FL   **September 2022 - Present**
Project: *Nanoparticle Uptake Measurement with Computer Vision*
  ● Collaborating with 2 graduate students for developing automated visual analysis and measurement capabilities of nanoparticles in living subjects
  ● Prepared and labeled a dataset of 900+ images for training the model through a supervised learning process.
  ● Applied the U-Net model for image segmentation to accurately identify and analyze nanoparticles
  ● Utilized deep learning techniques to correct out-of-focus images and improve the accuracy of the analysis.

STARS Tutor | KFSCIS, FIU | Miami, FL | **May 2023 - Present**
Course: COP 3337 (Programming II), COT 3100 (Discrete structures), COP 2210 (Programming I)
  ● Providing comprehensive remote tutoring to over 20 students; utilizing effective teaching strategies, I facilitated their understanding of both fundamental and advanced programming concepts, honed their debugging skills, and achieved a remarkable 10% increase in their comprehension and grades.

Peer Mentor & Content Creator | DP Tutorials | Ann Arbor, MI (Remote)   **May 2021 - Present**
  ● Mentoring 100+ high school students for US college application across Bangladesh, India, Nepal, UAE & Japan through individual sessions every week
  ● Authoring informative blogs related to US college application, and women in STEM for readers across 10+ nations

Learning Assistant| Math & Statistics Department@FIU| Miami, FL   **August 2022 - December 2022**
Class: Calc I for Business (MAC 2233) under Professor Nelson Dela Rosa
  ● Facilitated a class of 50 students to learn class topics well; hosted weekly office hours & review sessions
  ● Participated in a one-credit STEM education seminar course (SMT 3931) to better prepare as an instructor

PROJECTS

Personal Website (frontend)
  ● Using JavaScript, HTML, CSS to create personal website as a part of Intro to WebDev course at CodePath (***In Progress)***
Social Media Mobile App   **September 2022 - December 2022**
  ● Spent 6+ hrs/week coding (frontend) social media mobile app using **Dart** & **Flutter** SDK to increase connectivity among FIU community, build bridges with authority, and increase campus engagement via features such as receiving updates about non-FIU sponsored events and so on (as a part of INIT Build/former UPE SparkDev Program)

MBot Obstacle Avoidance   **February 2022 - April 2022**
  ● Programmed an obstacle avoidance robot with **C** programming; spent 4+ hours/week debugging & testing code and created a video presentation showcasing project

HONORS & AWARDS

  ● FIU Undergraduate Presidential Merit Scholarship, SGA Undergraduate Excellence & Resident Scholarship Recipient
  ● Researcher | International Astronomical Search Collaboration (IASC) 2021 (*Discovery: Provisional asteroid (PU67)*)
  ● Silver Honor | International Youth Math Challenge 2020