

Tahamid Hossain

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Summary

I am a Computer Science undergraduate with a keen interest in the ever-evolving tech landscape. My background in Robotics, Data Analysis, Proficient in Java & Python, and Operations Management equips me with technical acumen and innovative thinking. I leverage these languages alongside my skills in Data Science to drive efficiency and innovation. With a keen interest in AI and Software Engineering I'm aiming to contribute meaningfully to cutting-edge advancements. My collaborative approach, coupled with a penchant for learning and adaptability, enables me to navigate complex projects, aiming to make impactful contributions to the transformative journey of the tech industry, while embracing emerging trends in various fields like Natural Sciences, Economics, Linguistics, and Social Sciences.

EDUCATION

Canadian University Dubai

Dubai, UAE

B.S. in Computer Science

Expected Graduation, May 2026

- **Concentrations:** Data analytics, Software Engineering and AI Robotics.
- **GPA:** 3.62/4.00
- **Related Coursework:** Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications, Discrete Mathematics 1&2, Calculus 1&2, Linear Algebra, Information Structure, Computer Architecture, Communication Networks, Software Specification.

Westford University College

Dubai, UAE

Youth Business Leadership Program

Aug 2021 – Sep 2021

- **Concentrations:** Leadership Development.
- **Related Coursework:** Leadership Skills, Personal Branding, Digital Entrepreneurship.

PROFESSIONAL EXPERIENCE

Think N Innovate

Dubai, UAE

Robotics Project Intern

Aug 2022 – Dec 2022

- Constructed and developed multiple innovative robotics projects using Arduino, Raspberry pi and MakeBlock, from conception to completion to foster immersive hands-on learning experiences within the educational setting.
- Demonstrated a multifaceted role by actively engaging and mentoring 50+ students in robotics concepts, and providing hands-on guidance, thereby cultivating their skills and confidence to excel in various aspects of robotics.
- Played a pivotal role in preparing over 5 teams for competitive events by offering tailored support, strategic guidance, and extensive mentoring.

Threat Apparel Readymade Garments Trading L.L.C

Dubai, UAE

Accounting Assistant

Feb 2021 – July 2022

- Managed 100% accurate financial records of 150k+ in revenue and streamlined bookkeeping, ensuring compliance, and accuracy in accounting functions vital to the Account Management and Operation team with optimal Decision Support.
- Oversaw revenue operations, providing vital insights and optimizing sales processes, essential for informed decision-making and efficient cross-functional collaboration.
- Acted as a key liaison, leveraging accounting expertise to increase 15% billing & revenue operations, facilitate strategic decision-making, revenue planning, and revenue growth across internal departments.

MakeX UAE

Dubai, UAE

Robotics Mentor

Jun 2020 – May 2021

- Provide expert guidance and mentorship in robotics to over 150 students, cultivating students' skills and knowledge in the field.
- Mentored over 10 teams in robotics, adeptly utilizing Arduino, Makeblock robotics kit, and Lego robotics kit, instructing on diverse components and techniques including IR sensors, ultrasonic sensors, cameras, enabling comprehensive learning in line following and obstacle avoidance.

PROJECTS & OUTSIDE EXPERIENCE

Amazon Shopping Bot PlayWright in JAVA

Dubai, UAE

Team Member

Sep 2023 – Nov 2023

- Developed a shopping bot with 80% efficiency using PlayWright in Java to automate browsing actions that implements user interaction by prompting for specific keywords to search for relevant products and number of products to be shown.
- Utilized the bot to open individual tabs for each selected product, allowing seamless examination by the user. Tested over 100 product searches with 90% accuracy in results.
- Incorporated an emailing feature to send the title and price of the products to the user-specified email address.

Student Management System Using Python

Dubai, UAE

Team Lead

Feb 2023 – May 2023

- Developed a Python-based Student Registration System enabling functionalities such as adding students with course lists for fall, spring, and summer semesters across academic years.
- Successfully tested the system with 30+ student details, ensuring 100% data storage accuracy and 95% efficiency in processing various registration tasks.
- Implemented robust validation protocols resulting in accurate error messages when encountering issues such as 3+ failed attempts at course registration due to incomplete prerequisites.
- Utilized a comprehensive text file structure containing a database of 30+ courses spanning multiple academic years for efficient pre-requisite verification.
- Modularized functionalities into Python functions with appropriate names, facilitating ease of maintenance and scalability for future enhancements of the Student Registration System.

ACTIVITIES & LEADERSHIP

Emirates Robotics Competition

Finalist of the competition, Team Lead

Jan 2023 – Mar 2023

- Implemented autonomous navigation using a mobile robot, tackling a road-like track with various challenges like obstacles, zebra crossings, dashed lines, and traffic light panels.
- Emphasized sensor integration for precise localization, effective path planning, and successful obstacle detection and avoidance, key components for accurate autonomous navigation.
- Showcased the significance of autonomous mobile robots in boosting productivity and efficiency across diverse sectors such as transportation, logistics, and shipping by demonstrating their potential impact on enhancing operational processes.

PlanetX Aerospace Challenge by UAE Space Agency

Winner of Final Challenge, Team Lead

May 2021 – Nov 2021

- Led my team to a highly competitive pre-qualification round, standing out among **over 200 teams** across the country to secure a spot in the challenge.
- Engaged in a comprehensive two-day training session, preparing extensively for the competition.
- Successfully tested the system with 30+ student details, ensuring 100% data storage accuracy and 95% efficiency in processing various registration tasks.
- Showcased expertise and innovation during the finals by addressing challenges: the UAV Challenge involved designing and presenting an unmanned aerial vehicle for exploration on Planet X, while the UGV Challenge required programming an unmanned ground vehicle to tackle tasks and obstacles within a strict 5-minute time limit.

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, React.js, Arduino C,

Tools: Visual Studio code, Android Studio, IntelliJ, PyCharm, Jupiter Notebooks, Git, Microsoft Office PowerPoint & Excel.

Technologies: Data Science, Computer Vision, Deep learning, Machine Learning, Algorithmic Foundation, Operation Research.

Soft-Skills: Digital marketing, Strong Communication, Time Management, Self-Motivation, Adaptability & Flexibility, Attention to Detail, Strong Analytical Skills.