

Ashar Farooq

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EDUCATION

Massachusetts Institute of Technology

Expected Graduation: May 2023

Candidate for Bachelor of Science in Computer Science, Economics, and Data Science

Relevant Coursework: Introduction to Algorithms, Embedded Systems, Mathematics for Computer Science, Design and Analysis of Algorithms, Fundamentals of Programming, Probability and Random Variables

EXPERIENCE

MIT Sloan School of Management

Research Assistant
June 2020 – Present

- Analyzed topics including privacy, reidentification, and surveillance; bots, big data, and disinformation in political campaigns; algorithmic bias, fairness and transparency; intellectual property rights in AI, data, and open source and proprietary software; Artificial Intelligence/Machine Learning in healthcare and fintech, resulting in teaching materials for Sloan School of Management graduate and undergraduate courses

elphi

Software Engineering Intern
January 2021 – Present

- Using React, JavaScript, HTML, CSS, and Node, designed and implemented a new intuitive UI system for the Point of Sale(POS) system for streamlining the mortgage origination process from the client perspective
- Collaborated with several team members and company founders daily to produce efficient code for the improvement of the web application via new features and components, such as drag and drop questions, filtering categories, and configuring the online mortgage application to the Cloud Firestore database

Universidade Estadual de Campinas

Intern
January 2021 – Present

- In partnership with the most prominent research university in Brazil, produced teaching materials, exercises, and sample programs for more than 8 sets of classes in the topics of electronics, programming, Arduino, Tinkercad, algorithms, and computer science.

OTHER ACTIVITIES

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- **Extern at AT&T** – participated in the 2020 Summer Learning Academy consisting of business and technical sessions
 - **Technology and Data Director** – managed all the technical platforms for the 2020 MIT Virtual Fall Career Fair Series
 - **Product Assistant** – created an augmented reality application to recognize soda cans using Vuforia and Unity for Danfoss
 - **Mentor** – tutored mathematics and science to children affected by the COVID-19 pandemic via the CovEd organization
 - **Undergraduate Representative of Association of Student Activities** – supported MIT's 400+ student groups
 - **Alumni Connections Head** – worked with First Generation alumni to host professional development/mentorship events
 - **Academic Committee Chair** – developed academic resources and organized social events for the MIT Muslim community
 - **MIT Class of 2023 Publicity Chair** – planned class-wide social events and managed communications for 1100+ students
 - **Undergraduate Association Technology Committee Member** – advocated for better technological resources on campus
 - **Director of Communications of MIT Pakistani group PaksMIT** – interacted with members of the Pakistani community
 - **Vice President of Communications of Beta Theta Pi Fraternity** – handled all external communications and outreach

SKILLS

Language: English(Proficient), Urdu(Native), Spanish(Intermediate)

Technical: Python, LaTeX, Basic C++, Basic HTML, Basic CSS, Basic React.js