

SAMEER HUSSAIN

HONORS COMPUTER SCIENCE

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EDUCATION

Texas A&M University, College Station, TX

2019 – 2023

B.S Computer Science | **Minors:** Business, Cybersecurity | **Certificate:** Holistic Leadership in Engineering
Coursework: Data Structures & Algorithms (Java, C++, Python), Discrete Math, Statistics, Operating Systems
Cumulative GPA: 3.956

EXPERIENCE

Project Management Intern – Intel Corporation

7/30 – Pres.

- Managed the cross-functional FCE team remotely, focusing on managing corporate projects & process improvement
- Applied data analysis and collection techniques and handled a SharePoint-based information system
- Adapted current information processing to streamline portfolio data, adhering to Lean (Kanban) practices
- Reduced cost by ~\$70,000 annually and lead time by 60% by identifying cost-ineffective/pain point areas of FAB construction and produced recommendation report of high priority, critical processes

Undergraduate Researcher – Embedded Signal Processing Lab, Texas A&M

6/21 – Pres.

- Collaborated with a research team to analyze health data from hundreds of personal smartwatches in order to aid COVID-19 infection prediction.
- Designed web-based data analysis tools using Python (pandas) and JavaScript to display multiple data visualizations
- Evaluated and Adapted current analytic algorithms to facilitate improved monitoring and tracking on 100,000+ data points

Summer Technology Program Intern – Paycom Software, Inc.

6/14 – 8/20

- Applied PHP skills in server-side scripting for online payroll services in guided-project work
- Enhanced Git, version control management, and C# skills through Application Security workshops
- Built and handled JavaScript UI services using React for feature definition, design, and feasibility, as well as learned DevOps practices in conjunction with the corporate software development life cycle

Software Engineer Intern – Bursys

5/18 – 7/18

- Optimized proprietary field-service management software and gained first-hand experience on the firm's enterprise cloud enablement and data analytics solutions for up to 50 partnered companies
- Engaged in client service meetings and collaborated to design future-launching websites using HTML/CSS

LEADERSHIP & PERSONAL PROJECTS

The College of Engineering – Zachry Leadership Program (ZLP)

2020 – 2023

- A five-semester, highly competitive and challenging Engineering leadership/scholarship program consisting of a 30-member cohort with extended coursework of Engineering coupled with economics and business theory
- Strengthens leadership and communication skills and allows the cohort to emerge with a strong understanding of capitalism and free enterprise through corporate projects, case studies, and readings

Cryptocurrency Price Prediction

- Constructed a Bitcoin price predictor with Python's libraries (Pandas, numpy) and Machine Learning in converting dataframes and utilizing scikit-learn to create a Support Vector Recognition model using the RBF function

Lab Inventory Manager Application

- Built a Java-enabled, local database application than retrieve, store, modify, delete, and analyze information
- Applied knowledge of SQL to manage such data using Apache Derby and JDBC for the relational database

Proficient in: C++, Java, Python, C#, JavaScript (plus React), HTML/CSS, SQL, Project Management, Agile
