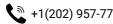
HARSHIT RAJ





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EDUCATION

University of Maryland, College Park, MD

MAY 2022

Bachelor's Degree in Computer Science, Statistics & Business Analytics

GPA: 3.591

- Dean's List 2018, 2020
- Relevant Coursework (Computer Science): Object Oriented Programming I; Object Oriented Programming II; Introduction to Data Structures: Introduction to Computer Systems: Algorithms: Design and Analysis of Algorithms: Introduction to Data Science
- Relevant Coursework (Statistics): Calculus I; Calculus II; Introduction to Linear Algebra; Applied Probability and Statistics I; Applied Probability and Statistics II
- Relevant Coursework (Business Analytics): Introduction to Business Value Chain; Data Modeling in Business

SKILLS

- Proficient in: Java, C, Python3, Minitab, Testing & Debugging
- Experience with: SQL, HTML5, Jupyter Notebook, Assembly, Kivy, JavaScript, CSS, Docker, R, Ruby, OCaml, MATLAB
- Other Strengths: Teamwork, Meticulous, Analytical, Critical Thinking and Problem Solving

WORK EXPERIENCE

CO-AUTHOR AND RESEARCHER

MAY 2020 - SEPTEMBER 2020

Institute of Electrical and Electronics Engineers (IEEE), Dubai, United Arab Emirates

- Analyzed 1,272 datapoints to assess the impact of COVID-19 in 212 different countries by using graphical visualization in Python3.
- Collaborated with a highly experienced professor at the Birla Institute of Technology to submit a research paper, analyzing four factors impacting the spread of the virus.
- Advanced data visualization of graphs by formulating over five equations to analyze the data.
- Incorporated linear regression using R-Values in the equations for datapoints to highlight the trends observed.

SOFTWARE ENGINEERING INTERN

JUNE 2019 - AUGUST 2019

Arkant Labs - Microsoft Technologies, Dubai, United Arab Emirates

- Introduced to technical content related to Office 365 SharePoint Portal.
- Assisted in IT Infrastructure migration to Office 365 platform/Microsoft Technologies (Azure/AD, 2FA, PowerShell, SharePoint/Intranet) by contributing over 320 hours.

PROJECTS

Virtual College Counselor - Python3, JavaScript, CSS & HTML5

SEPTEMBER 2020 - PRESENT

- Built an algorithm that guides high school students to find colleges based on their current transcripts, extracurricular activities, standardized test scores, community service, fit and financial situation.
- Collaborated over 30 days with a partner to model and develop the program and website.

Medical Assistance Application - Python3 & Kivy

MARCH 2020

- Developed a model algorithm to direct emergency patients to appropriate hospital based on expressed symptoms, available equipment and healthcare professionals during a medical crisis such as the COVID-19 pandemic.
- Collaborated over 25 days with a partner to design a user-friendly application.

ORGANIZATION & LEADERSHIP

AMBASSADOR Robert H. Smith School of Business, University of Maryland, College Park, MD JUNE 2020 - PRESENT

- Promoted the Smith Minor Program to prospective students by sharing experiences and achievements of enrolled and alumni students.
- Assisted the Smith Minor faculty in creating and enhancing marketing material to increase student awareness about the program and providing information for students, faculty, staff and visitors.

MENTOR NOVEMBER 2019

Technica, University of Maryland, College Park, MD

- Mentored and guided over 3,000 participants at the world's largest all-women hackathon.
- Worked with a team of about 40 mentees to help understand project implementation and object-oriented programming concepts.

CERTIFICATION

IBM - Data Science Professional Certificate with Honors

MAY 2019 - JUNE 2019

Coursework: Data Science; Introduction to Data Analysis and Machine Learning with Python; Databases and SQL for **Data Science**