

Sadia Shormin

Navasota, TX

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Work Experience

Research Assistant (Dept. of Computer Science)

Prairie View A&M University - Prairie View, TX

January 2018 to Present

Research on social media privacy enhancement by using face recognition using conventional Neural Network model.

Founder and Chief Strategist

transpoentertain.com - Dhaka

July 2017 to Present

Envisioned and developed a "Personal Device Entertainment Service" for the transportation service provider industry. Formed a start-up with two more stakeholders. Used Python, Node, ReactJS, PHP, Apache, Bash Script, CentOS to develop this product. Current responsibilities

- * Maintaining Product development & deployment.
- * Hardware supply contract arrangement.
- * Product licensing & contract proposal evaluation.

Independent initiator

Navasota, TX

June 2017 to Present

Developing a telepresence robot with remote controlled capability through Internet (Archived). Used Ansys to design the robot's structure and to simulate its weight balancing. Currently working on to have video and audio call capabilities by using WebRTC targeting Android platform.

Team lead

Academic project

September 2017 to December 2017

Developed a parking reservation app for iOS platform using React Native, ASP.NET Web API, SQL Server, Entity Framework, Azure & ASP.NET.

- * Designed and reviewed the UML diagrams(Use case, Sequence, Class & State). Wrote the user stories and conducted the grooming sessions for task breakdown and estimation.
- * Developed the front end using ReactJS and reviewed team member's pull request.
- * Contributed to the testing (Unit, Integration Testing & Functional Testing) & reporting effort.

Teaching Assistant (Dept. of Computer Science)

Prairie View A&M University - Prairie View, TX

June 2017 to December 2017

- * Conducted Digital Computation class of 40 students.
- * Familiarized students with graphics and video editing software, and web design using HTML, CSS, and JavaScript.
- * Taught the fundamentals of Excel spreadsheets and MS Access to gather pertinent information, analyze, evaluate, interpret, display data, and draw conclusions.

Research Assistant (Dept. of Mechanical Engineering)

Prairie View A&M University - Prairie View, TX
August 2015 to November 2016

- * Development of advanced wind turbine blade with new multi-purpose design process to increase aerodynamics, aero-acoustic and structural performance by comparing them with the practical data.
- * Advanced Unsteady CFD simulation for rotating 3D wind turbine using ANSYS commercial software.

Lecturer (Dept. of Mechanical Engineering)

Atish Dipankar University of Science & Technology - Dhaka
April 2015 to July 2015

Managed classes ranging from 35-50 students. Lectured on Material Science, Fluid Mechanics, Textile Machinery. Designed quizzes, tests, and projects to assess student knowledge. Selected and designed lesson plans and curriculum to meet academic objectives.

Education

Master's in Computer Science (CGPA: 4.0/4.0)

Prairie View A & M University - Prairie View, TX
January 2016 to August 2018

Master's in Mechanical Engineering (CGPA: 4.0/4.0)

Prairie View A & M University - Prairie View, TX
October 2015 to January 2016

Bachelor's in Mechanical Engineering (CGPA: 3.75/4 ~ Merit position 2nd among 120 students)

Chittagong University of Engineering & Technology - Chittagong, Bangladesh
March 2010 to October 2014

Skills

Python, C++, React, React Native, Redux, HTML, CSS, LESS, MariaDB, Apache, C#, SQL Server, Web API, ASP.NET MVC, Entity Framework, IIS, GIT, Docker, Jira, Scrum, Parallel Computing, Language Design, Machine Learning, Algebra, MATLAB, Fortran, LISP, Solid works, AutoCAD, ANSYS (Engineering Simulation Tool)

Awards

Technical Education Scholarship from the Government for outstanding curriculum & Bachelor honors degree in Mechanical Engineering.

September 2014

Stood Second in the Fuel Efficient Car Design Competition Arranged by Japan International Corporation Agency (JICA)

Additional Information

Solved 100+ problems in Hackerrank