Gazi Md Shafiul Hoque

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A third-year computer engineering student who is particularly interested in web development, app development and artificial intelligence and, whose passion towards programming extends beyond coursework to online courses, as well as application of knowledge as personal projects

SKILLS

C C++ Java HTML CSS JavaScript

Bootstrap Python Ruby Verilog

ARM Assembly Linux GitHub Arduino

Node.js jQuery

WORK EXPERIENCE

Full Stack Web Developer
Progress Impex Ltd

06/2018 – 08/2018   *Dhaka, Bangladesh*

Achievements/Tasks

- Created a website for the company's car dealership using Node.js, Express, MongoDB, Bootstrap, jQuery and HTML/CSS/JavaScript
- The website can be accessed at https://www.progressmotorsltd.com/
- Deployed the website on a DigitalOcean Droplet and used Cloudflare Content Delivery Network to improve security and speed of the website
- Implemented Redis Cache to decrease load time of the website
- Used a combination of jQuery, Bootstrap, and CSS to enhance the user experience
- Integrated MongoDB database to allow the company staff to add, edit, and delete cars, calculate an estimated sales price, as well as generate a quotation form for a car using the tools provided by the admin page
- Utilized Passport.js to implement an authentication system for the admin page
- Executed tasks under minimal supervision and with little instruction and guidance
- Went beyond call of duty to help the company negotiate a contract worth 100,000 USD with a Swiss company

EDUCATION

Bachelor of Applied Science in Computer Engineering
The University of British Columbia

09/2015 – Present   *Expected Graduation: 05/2020*

TECHNICAL PROJECTS

YelpCamp (personal project) (05/2018 – Present)
- Created the YelpCamp website as part of code along project for Udemy Web Developer Bootcamp using Node.js, Express, MongoDB, Bootstrap, and HTML/CSS/JavaScript which greatly enhanced my web development skills
- The Website can be accessed at www.shafirplprojects.com/yelpcamp
- Utilized Passport.js to implement user authentication and authorization which taught me how to integrate authentication into a website
- Integrated MongoDB database to allow the users to create, edit and delete campgrounds and comments which improved my database integration skills
- Used Bootstrap and custom CSS classes to enhance the user experience of the website which improved my website designing skills

Ravebox Website (coursework) (03/2018 – 04/2018)
- Created a professional music streaming website for our engineering design studio project
- Assisted my team in implementing the project of a portable DJ box which can be used via hand gestures to control the tone and emulate various lightning. It can also be used to record the session and upload them to the website for streaming
- Integrated MySQL database to store the music as well as to associate music to specific user account which improved my relational database skills
- Programmed both the front end and backend using Node.js, Express.js, MySQL and Passport.js (for user authentication) which enhanced my web development skills
- Implemented user authorization to provide the users with a unique account page to stream uploaded sessions when the user is logged in which improved my website authorization skills

R2D2 Intelligent Moving Robot (coursework) (02/2018 – 03/2018)
- Designed, programmed and implemented an intelligent moving robot that would use sonar, optical sensors and intelligent algorithm to decide the moving direction and speed
- Integrated the LCD module to the robot to display the status and speed of the robot which improved my firmware programming skills
- Worked with a team of six on the Arduino platform and assisted the team in identifying and communicating risks early, planning as well as organizing task division to meet a tight deadline, which improved my communication and organization skills

INTERESTS

Udemy   Video games   Online hackathons

Testing and benchmarking computer hardware

Researching and learning about the latest technologies