Sharon Mary Charles

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Education

Master of Science in Computer Science,   01/2022 – 12/2023 | Hoboken, NJ, USA
Stevens Institute of Technology ⧉
Coursework: Web Programming, Advanced Algorithm and Data Structures, Software Development, Project Management, Mathematical Foundations of Machine Learning, Project Management, Fundamentals of CyberSecurity, Knowledge Disc. & Data Mining

Bachelor of Engineering in Computer Science,   08/2017 – 08/2021 | Karnataka, India
Bangalore Institute of Technology
Coursework: Software Engineering, Advanced Java and J2EE, Unix and Shell Programming, Database Management System, Artificial Intelligence, Algorithm and Data Structures, Object-Oriented Concepts, IOT, Automata Theory and Computability, OS, Management and Entrepreneurship for IT
GPA : 3.3/4.0

Skills

Languages (JavaScript, Java, Python, C, C++, PHP, HTML, CSS), **Database** (MongoDB, MySQL, RDBMS),
Technologies (VueJS, ExpressJS, NodeJS, Flask, Django, Google Cloud, Machine Learning, Bootstrap, Bcrypt, XSS, AngularJS, ReactJS, Redux, AJAX, DST),
Version Control (Git, GitHub, GitLab)

Projects

Fitness Platform, *JavaScript, NodeJS, MongoDB, HTML, CSS, Bootstrap* ⧉
- Developed an intuitive web platform for fitness tracking and exercises, with 8 built-in features enabling users to train across 4 diverse workout categories.
- Drafted platform developing NodeJS & Express server-side and backend uses for accelerated functionality, optimizing speed by 20%.
- Handled data storage using MongoDB, applied HTML, CSS & Bootstrap to select webpages, preserving content integrity and boosting UX appeal by 15%.
- Programmed defense framework protecting 3 entry points from XSS vulnerabilities, issuing a 99.7% assurance against intrusion.

To-do List deployed on Google Cloud Platform, *Python, Flask, HTML, CSS, Google Cloud* ⧉
- Rendered interactive To-Do list web application with 3 components to manage tasks conveniently, increasing productivity by 30%.
- Implemented using Python on the FlaskSQLAlchemy framework and leveraged Semantic UI, HTML, and CSS to enhance UX/UI, elevating user satisfaction by 25% on launch.

Online Food Delivery Application, *JavaScript, PHP, MySQL, HTML, CSS, Bootstrap*
- Coded an online food delivery app featuring 8 interactive features, enabling customers to navigate and order food with 80% enhanced customer satisfaction.
- Optimized over 150 queries in PHP and MySQL to improve performance and reduce page render times by 30% while designing a frontend architecture using 3 technologies.

Salon Management Application, *PHP, MySQL, HTML, CSS*
- Devised a web-based salon management system with an online appointment scheduling feature to meet customer needs, contributing to 65% of online appointments.
- Constructed the software utilizing Angular framework, PHP, MySQL & HTML/CSS technologies, lowering development time by 40%.

On-Campus Job

Stevens Institute of Technology - Office of the Provost,   09/2022 – present | Hoboken, USA
Graduate Student Assistant ⧉
Managed and monitored over 15 academic buildings around the campus for over 2 semesters.