JOEL SADANAND SAMSON

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Education

George Mason University — **Expected Dec 2023**
Master of Science in Computer Science; GPA: 3.78 — *Fairfax, VA*
Relevant Coursework: Analysis of Algorithm, System Programming, Artificial Intelligence, Machine Learning, UX/UI Design,
Internet Technology, Data Structures, Maths Foundation

NMAMIT Institute of Technology — **Aug 2017 - Oct 2021**
Bachelor of Engineering in Information Science & Engineering; GPA: 3.68 (9.00/10.0) — *Nitte, India*
Relevant Coursework: Web Programming, Data Mining, Project Management, Computer Networks, Operating Systems, Cloud
Computing, Data Structures, Maths Foundation

Skills Summary

Languages	: Java, PHP, C++, JavaScript, C, SQL, Bash, HTML, CSS, TypeScript
Technologies / Frameworks	: React, NodeJS, MySQL, Firebase, REST APIs, GIT, AJAX, jQuery, Angular, SpringBoot
Developer Tools	: GitHub, Visual Studio, Atom, Android Studio, Selenium

Cerifications

Coursera (2020)	: Python Data Structures, Fundamentals of Network Communication, AI For Everyone, Introduction to HTML5, Google Cloud Fundamentals: Core Infrastructure, Programming for Everybody (Getting Started with Python)

Experience

Nexus 8 International, LLC — **Jan 2022 – Present**
Software Development Intern | *UX/UI Design, HTML, CSS, Javascript* — *Washington DC, WA*
- Optimize website interface with modern design elements and features to improve user-friendliness, resulting in an estimated 25% increase in visitors
- Refine existing website functionality, completing updates within a few weeks while adding new features
- Facilitate weekly team strategy meetings and productive discussions among 20 members with new ideas

George Mason University — **Aug 2022 – Present**
Graduate Teaching Assistant | *Data Analysis, Management* — *Fairfax, VA*
- Reinforce student learning of skills and materials through weekly check-ins, informal assessments, and observations
- Prepare and grade assignments while leading small group discussions, enabling the teacher to complete 96% of lesson plans on time
- Maintain academic records, and processed quarterly report cards for 80 students, ensuring accuracy and speed

Quality Theorem — **Dec 2019 – Jan 2020**
Web Developer Intern | *UX/UI Design, HTML, CSS, Javascript, PHP, MySQL* — *Banglore, India*
- Collaborated in developing a multi-functional examination website making exam systems 70% faster in the University
- Generated responsive web designs that met company standards/protocols maximizing speed and performance by 30%
- Spearheaded team of 5 interns to address 50 tasks per week

Projects

E-Commerce System Interface | *C, SQL, MySQL API* — **Apr 2022 - May 2022**
- Programmed an E-commerce Interface in C for users to sell, add inventory, and generate bills with 6% Tax
- Designed a storage system, to add product data using MySql C API for SQL queries and improved efficiency by 25%
- Created a search feature and categorization system that streamlined the product adding and purchase process by 50%

Grievance System | *React, Node, Javascript, Firebase, HTML, CSS, REST APIs* — **Jan 2020 - Aug 2020**
- Launched a system to resolve issues of concern by students, staff, and admins for the University of 5000 students
- Incorporated ReactJS to build interactive components and incorporated Redux to manage application state
- Configured and integrated Firebase and REST APIs for storage, authentication, and file I/O making system 50% faster

Achievement

Smart India Hackathon 2020 | *1st Place* — **Jan 2020**
- Won 1st(first) prize, Smart India Hackathon 2020, National level Hackathon held by Ministry of Human Resource, India
- Programmed and facilitated a student support system using React, NodeJS, Redux and other technologies in 36 hours

MHRD Scholarship | *Award* — **Aug 2017 – May 2021**
- Awarded full-tuition merit-based scholarship for academic excellence from the Ministry of Human Resource Development
- Achieved scholarship for 4 years consecutively