






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

Experience

George Mason University

Aug 2022 – Present

Graduate Teaching Assistant | Data Analysis, Management

Fairfax, VA

- Coordinate student skill development with weekly check-ins, assessments, and observations, yielding exceptional results
- Manage 100+ assignments and bi-weekly course material contributions across two sections, enhancing course efficiency
- Instruct students in emerging technologies, enhancing my skills while aligning the syllabus with industry trends

Istari Digital

Jun 2023 – Aug 2023

Software Development Intern | Full Stack Development

Arlington, VA

- Engineered and developed website components, elevating product versatility and boosting user satisfaction by 15%
- Implemented vital APIs, optimizing website performance and accelerating load times by 25%
- Executed rigorous unit testing, resulting in a 98% reliability rate for project components

Nexus 8 International, LLC

Jan 2023 – Jul 2023

Software Development Intern | React, NodeJS, HTML, CSS, Javascript, Figma

Washington DC, WA

- Transformed website interface through modern design elements and features, leading to a 25% increase in traffic
- Revamped outdated website, improving speed and seamless functionality, while introducing new features
- Facilitated weekly project briefings to align teams on objectives and promote collaboration

Quality Theorem

Dec 2019 – Jan 2020

Web Developer Intern | HTML, CSS, Javascript, PHP, MySQL, Figma

Bangalore, India

- Collaborated to produce a multi-functional examination website, driving a 70% acceleration in exam systems
- Developed responsive web designs, aligning with company standards and increasing speed and performance by 30%
- Mentored and led a team of 5 interns to efficiently complete 50 weekly tasks maintaining strict deadlines

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

Skills

Languages : HTML, CSS, Javascript, TypeScript, Python, Java, C++, C, SQL,

Technologies / Frameworks : React, NodeJS, MySQL, Firebase, REST APIs, GIT, AJAX, jQuery, Angular, SpringBoot
AWS Cloud, Docker, Kubernetes, Dev-Ops

Developer Tools : GitHub, Visual Studio, Atom, Android Studio, Selenium, Figma, Canva

Achievement

Smart India Hackathon 2020 - Ministry of Human Resource, India | 1st Place - National Level

Jan 2020

- Secured 1st prize at the 2020 Smart India Hackathon, leading a 36-hour development of a online student support system

MHRD Scholarship - Ministry of Human Resource, India | Award - Scholarship

Aug 2017 – May 2021

- Earned consecutive 4-year full-tuition merit-based scholarship for academic