**Safin Hossain**

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**EDUCATION**

**Wayne State University** Detroit, MI

Bachelor of Science/Engineering Sept 2020 – December 2025

Major in Computer Science

Cumulative GPA: 3.48

College of Engineering Dean’s List - Member of the Society of Computer Developers

**PROJECT EXPERIENCE**

**Portfolio Website** July 2023

●Developed a dynamic portfolio website using HTML, CSS, and JavaScript, showcasing my technical skills and projects.

●Implemented complex animations and transitions using Three.js, enhancing the visual appeal and interactivity of the website.

●Utilized React for creating more dynamic and engaging user experiences.

●Integrated real-time data updates with WebSocket and leveraged multi-threading to efficiently handle concurrent data streams, showcasing an understanding of modern web technologies and real-time processing.

**E-commerce Platform**  February 2023

●Designed and developed a user-friendly interface with Tailwind CSS, React, and HTML, ensuring a seamless shopping experience across devices.

●Created a comprehensive shopping cart system with functions for adding/removing items, adjusting quantities, and calculating totals.

●Enhanced performance and responsiveness by implementing caching mechanisms like Redis and Memcached.

●Set up load balancing to distribute traffic across multiple servers, ensuring high availability, scalability, and a robust user experience, demonstrating skills in large-scale system design and management.

**Database Management System** April 2024

●Engineered a custom database management system using MySQL with an emphasis on performance and scalability.

●Applied sharing techniques to distribute data across multiple databases, significantly improving system performance and handling large datasets efficiently.

●Developed an automated backup and recovery system, ensuring data integrity and minimizing downtime.

●Optimized query performance through advanced indexing and query optimization techniques, enhancing overall system responsiveness and efficiency.

**Machine Learning Model for Predictive Analytics** January 2024

●Developed a machine learning model using Python to analyze and predict customer behavior patterns, demonstrating an understanding of AI and data science principles.

●Implemented data preprocessing and feature engineering techniques to improve model accuracy.

●Leveraged libraries such as TensorFlow and scikit-learn for model building and evaluation.

●Integrated the model into a web application to provide real-time predictive analytics, showcasing a blend of AI and web development skills.

**WORK EXPERIENCE**

**Verizon Wireless**  Troy, MI.

Business Tech Specialist (Multi store location) May 2022 – Aug 2024

● Present, promote and sell products/services using solid arguments to existing and prospective customers.

● Develop, establish, and maintain positive business and customer relationships.

● Technical contributions: Developed networking solutions for internal systems to enhance communication between myself and customers. Used Follow Up Boss (FUB) multi-threaded applications to streamline data processing and worked on real-time media systems to support video conferencing and live product demonstrations.

● Led internet sales by an impressive 138% and consistently outperforming personal targets by nearly 150% each month.

**SKILLS**

**Languages**: C++, Python, Java, HTML, JavaScript, React, CSS **Databases**: MySQL, PostgreSQL, SQL Server

**Development**: GitHub, Git, Full Stack Application, Object-Oriented Programming, Data Structure, Machine learning, and AI

**Networking & Systems**: Programming for networking, multi-threaded systems, real-time media

**Other Skills**: Cross Functional, Active Learner, Effective Communicator, Compassionate Leader, Critical Thinking

**Summary:** Aspiring software engineer with a strong foundation in computer science and extensive project experience in machine learning, database management, and real-time systems. Proficient in developing high-performance applications and passionate about robotics and AI-driven technologies.