Samaksh Arora

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EDUCATION

Wayne State University – College of Engineering   **Detroit, MI**
Bachelor of Science in Computer Science   *Expected graduation: Dec 2027*
Major: Computer Science | **Minor:** Mathematics   ***Cumulative GPA: 3.95***
Relevant Coursework: Programming and Problem Solving (*Python, C++, Java*), Calculus I/II/III, Data structures and algorithms

PROFESSIONAL EXPERIENCE

Prizeversity   **Detroit, MI**
Full-stack Development Intern   *Apr 2025 – Aug 2025*
- Developed Prizeversity, a full-stack web app in a team environment using **React**, **Node.js** and **Tailwind CSS** to gamify extra-credit opportunities at WSU, boosting student engagement by **25%** through interactive challenges and an intuitive user experience
- Integrated **Google OAuth 2.0** and Google Cloud's **Workload Identity Federation** for secure login and role-based access control, enabling institutional domain restrictions and implementing automated email notifications to keep users informed of reward updates
- Leveraged **MongoDB** to manage class feedback and track rewards, aiding a scalable backend and reducing query latency by **40%**

POS Notebook   **Toronto, ON**
Software Engineering Intern   *Jan 2025 – Apr 2025*
- Contributed to the development of core features of a **Java**-based POS application used by over **300** retailers, improving transaction speed by **25%** through performance tuning, UI enhancements, and backend logic optimizations that streamlined daily operations
- Reduced checkout errors by **40%**, lowering failed transactions from **50+ per week to under 30**, by implementing exception handling, real-time input validation, and transaction verification logic, leading to a **15%** increase in successful payment rate
- Collaborated on deployments using **Git** version control workflows, branch-based development, and code reviews to support efficient releases, maintain code quality, and improve overall team coordination across multiple development tasks

PROJECTS

WCG x ESSPI Project   **Detroit, MI**
Team Lead for Warrior Consulting Group   *Aug 2025 – Present*
- Lead a team of **5** analysts evaluating ESSPI's battery safety technologies, comparing performance and standards against competitors
- Advise ESSPI on strategic improvements and best practices, translating technical analysis into actionable recommendations
- Coordinate team workflows, delegate tasks, and oversee research quality, delivering **10+** consulting reports with practical insights

Drink Up!   **Windsor, ON**
Winhacks 2025 Project   *Feb 2025 – Feb 2025*
- Programmed a water logging game using **React** for the front end and **Flask** for the backend, allowing users to track water intake
- Created a reward system featuring **27** unique, self-designed badges combined with real-time feedback, enhancing user engagement
- Utilized **SQLite** to store and manage user data efficiently, ensuring seamless tracking of users, their progress, badges and points

EXTRACURRICULAR EXPERIENCE

AWS Cloud Club   **Detroit, MI**
Member   *Jan 2025 – Present*
- Learning about AWS cloud computing platform through hands-on workshops, in-depth tutorials and practical exercises
- Engaging in discussions about current trends, future of cloud computing, along with exploring specific use cases and best practices

Alpha Kappa Psi - Professional Business Fraternity   **Detroit, MI**
Recruitment Chair   *Apr 2025 – Present*
- Managed and executed **7** recruitment events attended by **120+** participants, successfully attracting high-potential candidates
- Fostering a welcoming environment for prospective members, encouraging engagement among students of diverse backgrounds

SKILLS & ENGAGEMENTS

Technical: Python, C++, Java, HTML/CSS, React, Next.js, Node.js, Flask Github, Microsoft Office Suite, VSCode, Xcode
Languages: Hindi (*Native*), Punjabi (*Native*), English (*Fluent*), Urdu (*Fluent*)
Interests: Badminton, Basketball, Costco, Fashion, Fitness, Food, Hackathons, Learning, Problem-Solving, Sneakers, Volunteering