VATSAL MANIAR

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering   **Tempe, AZ**

Bachelors of Science in Computer Science

Minor in Business (W.P. Carey School of Business)   **May 2025**

GPA: 3.64/4.0 | **Awards:** Dean's List (Fall '21, Fall '22, Spring '23), NAmU Scholarship (2021-2025)

Coursework: Calc. 1 & 2, Discrete Math, OOP, Digital Design Fund., Logic in CS, Prob/Stats for Engrs, Data Structures & Algorithms, Comp Org/Assemb Lang Prog, Intro to S/W Engr., Information Assurance, Computing Ethics, Operating Systems, Distributed S/W Dev, Theoretical CS, Prin of Prog. Lang., S/W Intgr. & Engr., Web Dev & Dsgn w/ JS, HTML & CSS

Clubs: Google Developer Student Club (GDSC), Software Developers Association (SoDA), Indian Students' Association (ISA)

RELEVANT PROJECTS

Team Lead, *Project CaffeineOverflow*   **08/2023 - 12/2023**
- Led the development of 'CaffeineOverflow', a web platform deployed on a ASU web server, demonstrating SOA expertise
- Employed SDLC, MVC Patterns and GitHub for scalable code organization and version control.
- Integrated financial metrics, geolocation and weather APIs using WCF, WSDL, SOAP, and RESTful in C#, HTML, CSS, and JavaScript showcasing diverse technical prowess and a deep understanding of distributed system architectures.
- Directed secure user functionalities, encrypted passwords, cookies, captcha security and dynamic XML file manipulation for user management, highlighting expertise in web security and distributed systems.

Developer Lead, *Project EXCELERATE*   **01/2023 - 04/2023**
- Directed the development of 'EffortLogger', a Java/JavaFX-based desktop app for managing employee base, team creation, project management, and time tracking in companies.
- Employed Agile methodologies to meet project milestones and provided weekly documentation.
- Delivered an efficient and effective codebase that met industry standards and resulted in a satisfactory end product.

Design Lead, *NETWORK*   **08/2022 - 01/2023**
- Led design of 'Network', a social media management tool to make running a university organization easier.
- Designed a landing page database for easy student access, improving usability and effectiveness.
- Conducted user testing & feedback sessions to optimize usability and effectiveness into ongoing design improvements.

WORK EXPERIENCES

Verification Supervisor, *ASU Admission Services*   **05/2022 - Present**

Data Analyst (Verifier), *ASU Admission Services*   **10/2021 - 05/2022**
- Scanning, documenting, and entering up to 25,000+ applicants' information with accuracy and attention to detail.
- Committing to delivering high-quality work and ensuring accuracy and timeliness in all tasks.
- Analyzing data to ensure data integrity and compliance with policies and procedures.
- Assisted in hiring, training, and coaching new student verifiers.

Undergraduate Teaching Assistant (UGTA), *FSE100: Intro to Engineering, ASU*   **08/2023 - 12/2023**
- Providing academic support, clarifying complex concepts and enhancing student learning.
- Leading dynamic lab sessions, fostering hands-on understanding of engineering principles and promoting collaborative problem-solving skills.
- Collaborating closely with professors to optimize teaching strategies, ensuring alignment between lectures, assignments, and assessments.
- Managing diverse responsibilities, showcasing strong organizational and communication skills.

TECHNICAL SKILLS

Programming Languages: Java/JavaFX, C/C++, C#, Python, JavaScript, CSS, Bootstrap

Markup Languages/File Formats/Frameworks: ASP.NET, XML, WSDL, HTML, JSON, MVC5

APIs/Interfaces/Architectures: SOA, SDLC, REST, SOAP, XPath, DOM, SAX

Productivity: Scrum/Agile Methodologies, Jira, GitHub