VATSAL MANIAR

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EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering/*W.P. Carey School of Business*   **Tempe, AZ**

Bachelor of Science in Computer Science, Minor in Business   **May 2025**

GPA: 3.67/4.0 | **Awards:** Dean's List (Fall '21, Fall '22, Spring '23), $15,500 yearly NAmU Scholarship (2021-2025)

Coursework: OOP, Logic in CS, DSA, Comp Org/Assemb Lang Prog, Intro to S/W Engr., 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)

TECHNICAL SKILLS

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

Markup Languages/File Formats/Frameworks: ASP.NET, XML, WSDL, HTML5, JSON, MVC

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

Productivity/Project Management: GitHub, Jira, Asana, JUnit, Salesforce, Workday

Certifications/Licenses: ServiceNow, JavaScript Essentials, Coding for Web - HTML/CSS/JS

RELEVANT PROJECTS

Team Lead, *Project CaffeineOverflow*   **August 2023 - December 2023**
- Led development of 'CaffeineOverflow', a web platform deployed on a ASU web server.
- 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 JS.
- Directed secure user functionalities, encrypted passwords, cookies, captcha security and dynamic XML file manipulation.

Developer Lead, *Project EXCELERATE*   **January 2023 - April 2023**
- Directed 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 meeting industry standards and resulted in a satisfactory end product.

Design Lead, *NETWORK*   **August 2022 - January 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

IT Project Management Consultant, *ASU EOSS Technology Team*   **June 2024 - Present**
- Spearhead critical technology projects, achieving a 20% improvement in ASU's tech infrastructure and operational efficiency.
- Develop comprehensive documentation, ensuring 95% alignment with strategic objectives and reducing project rework by 30%.
- Leverage advanced skills for complex data analysis, delivering actionable insights that enhance decision-making accuracy.
- Coordinate and lead cross-functional teams of 15 members using Jira, Asana, and Trello, ensuring 98% on-time completion of high-impact tasks and fostering a collaborative work environment across 10+ projects

Software Developer, *RadicalAI*   **May 2024 - Present**
- Create innovative AI solutions using OpenAI, Node.js, and React for ReX, an AI career coach offering personalized mentorship to over 10,000 users.
- Develop back-end services for QuantumChat Bot, enabling real-time, reliable, and fast communication for 15,000+ global users.
- Design the CosmoChat UI, a user-friendly chat application, resulting in a 25% increase in user engagement.
- Assist in developing Kai, an open-source AI Teaching Assistant, providing 5000+ educators with tools for instructional design

Inventory Clerk/Asset Specialist, *ASU Capital Assets Management*   **May 2024 - Present**
- Coordinate tagging of movable equipment valued at $5,000 or more, ensuring precise asset records for 1,200+ items, handling over $1.5 billion worth of assets
- Conduct biennial inventory checks, prepare detailed asset reports, and promptly respond to auditor and sponsor requests, within 24 hours, maintaining a 100% compliance rate
- Develop expertise in asset management systems and procedures, enhancing technical skills and critical thinking abilities.
- Streamline improvement of asset management processes through innovative solutions and meticulous attention to detail.