

# VATSAL MANIAR

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## EDUCATION

### Bachelor of Science in Computer Science

Expected Graduation – May 2025

Arizona State University, Tempe, AZ

GPA: 3.71/4.00

## EXPERIENCES

### Capital Assets and Finance Specialist

May 2024 – Present

ASU Capital Assets Management Office

Tempe, AZ

- Coordinate tagging of movable equipment over \$5000 and maintain asset records using Workday.
- Conduct monthly inventory checks of 300+ assets, prepare reports, and collaborate with auditors.
- Manage \$1.5B in ASU's capital assets, establishing streamlined data entry processes in Excel.

### IT Solutions and Operations Lead

June 2024 – September 2024

ASU EOSS Technology Team

Tempe, AZ

- Executed tech projects to boost ASU's infrastructure through network optimization and automation.
- Directed efforts across a 15-member team, aligning independent workstreams to support strategic tech initiatives, ensuring on-time completion of 10+ critical tech projects.

### Software Developer Intern

May 2024 – August 2024

RadicalAI

Remote

- Designed services for QuantumChat Bot, supporting real-time communication for 15,000+ users.
- Assisted in developing Kai, an AI Teaching Assistant, providing 5000+ educators with tools for instructional design.

### Admissions Operations Supervisor

May 2022 – May 2024

ASU Admission Services

Tempe, AZ

- Mentored a team of 50+ Analysts, setting benchmarks for accuracy and departmental knowledge.
- Processed 30,000+ applications with 98% accuracy, ensuring compliance with university policies and data security standards.

## PROJECTS

### Private Markets | React, Next.js, ArangoDB, Flutter

August 2024 – Present

- Develop an app for a FinTech platform connecting investors with over 500 industry professionals.
- Integrate backend services like SSO on app and website to enhance engagement and accessibility.
- Coordinate with a diverse team to optimize platform architecture for scalability and integration.

### EquityQuest | C#, MVC, HTML, CSS, JavaScript

May 2024 – July 2024

- Created a virtual stock market simulator, offering 100+ stocks and ETFs for risk-free trading.
- Engineered a market trend based on Monte Carlo methods, modeling realistic price fluctuations.

### MetricSphere | C#, ASP.NET, RESTful Services, APIs

August 2023 – December 2023

- Built and deployed a website on ASU's server, leveraging a complex and robust tech stack to deliver real-time insights across financial, weather, and geolocation data using 5+ APIs.
- Implemented secure role-based user access, using XML encryption and adaptive data management.

### Excelerate | Java, JavaFX, Figma, JUnit, Jira, Astah

January 2023 – May 2023

- Developed a desktop app for tracking employee productivity, task management and reporting.
- Applied Agile practices to ensure timely project delivery, with weekly sprints and documentation.

### LittleMinds | JavaScript, p5.js

August 2021 – December 2021

- Created educational games with an intuitive interface and interactive game mechanics enhance fine motor skills in toddlers, tested by over 50 children in multiple early learning centers.

## SKILLS

**Programming Languages:** Java, C#, C/C++, JavaScript, Python, Swift, MATLAB

**Frameworks:** ASP.NET, WSDL, CSS, Bootstrap, JavaFX, React, Node.js

**Web Technologies:** HTML, JSON, XML, REST, SOAP

**Tools/Databases:** GitHub, Bitbucket, Taiga, Jira, JUnit, VS Code, SQLite3, ArangoDB, Firebase