Ritesh Puttanmadam

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EDUCATION

M.S. Computer Science *August 2025 – May 2026*
Arizona State University, Tempe, AZ
B.S. Computer Science *August 2021 – May 2025*
Arizona State University, Tempe, AZ **GPA**: 3.64
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Operating Systems,
Object-Oriented Programming, Cybersecurity, Database Management
Achievement: Awarded the Dean's List Award for Academic Excellence

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++/C#, PHP, JavaScript

Web Development: HTML, CSS, React, ASP.NET

Cloud and Database: AWS, MySQL

Version Control: Git, GitHub

Development Tools: Windows, Linux/Unix, VS Code, Visual Studio, Eclipse, IntelliJ

WORK EXPERIENCE

Specialty Sales *November 2024 – PRESENT*
Tech Associate *Chandler, United States*
- Delivered personalized customer experiences by recommending technology products aligned with client needs, resulting in increased customer satisfaction and repeat business
- Improved inventory management processes to ensure shelves remained well-stocked and visually appealing, leading to a reduction in stockouts and enhanced customer shopping experience
- Enhanced team operations by optimizing sales floor organization and product knowledge, which improved team efficiency and customer service quality
- Continually surpassed daily sales targets by 15% and achieved 95% customer satisfaction ratings, contributing to a 10% increase in overall store performance.

RELEVANT PROJECTS

Effortlogger Tool | Java | C | JavaFX | GitHub *August 2023 – Dec 2023*
- Formulated actionable strategies within a custom-built Concept of Operations (ConOps), leading to tangible improvements in team collaboration rates while achieving project milestones two weeks ahead of schedule against initial timelines.
- Accelerated project timeline, completing within 2.5 months (initial estimate: 3 months).
- Implemented innovative solutions for needs management, improving resource allocation efficiency by 20%.

Capstone Design: Synchronous Sequence Machine | Icarus Verilog *August 2022 – Dec 2022*
- Developed two synchronous sequence machines to manage security gates, meeting all functional requirements.
- Optimized design and simulation processes, reducing resource utilization by 25%.
- Documented detailed design and implementation steps, resulting in high client approval and understanding.

Assembly Line Project Design | Studio 2.0 | GitHub *August 2021 – Dec 2021*
- Achieved 81.25% production efficiency by designing an optimized LEGO car assembly line.
- Utilized simulation tools to reduce cycle time and streamline operations, leading to a 10% increase in throughput.
- Analyzed and balanced costs, ensuring profitability while adhering to project constraints.

CERTIFICATIONS

- **TATA Data Visualization**: Empowering Business with Effective Insights
- **Coursera** - Pointers, Arrays, and Recursion
- **Coursera** - Programming Foundations with JavaScript, HTML and CSS

EXTRACURRICULAR EXPERIENCE

Member - Software Developers Association (SoDA) *August 2022 – PRESENT*
- Engaged in group discussions to analyze software trends and address technical challenges.

Member – Python User Group *August 2021 – May 2022*
- Wrote and reviewed Python code for projects solving practical problems.