

# ANISH OSWAL

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## EDUCATION

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### Master of Science in Computer Science

Arizona State University, Tempe, AZ

May 2021

GPA: 3.74/4

**Relevant Coursework:** Data Mining, Info Assurance & Security, Distributed Database Systems, Data Visualization

### Bachelor of Engineering in Computer Engineering

Savitribai Phule Pune University, Pune, India

May 2019

GPA: 8.82/10

**Relevant Coursework:** High Performance Computing, Cloud Computing, Data Analysis, Advanced Data Structures, Software Engineering & Project Management, Soft Computing & Optimization Algorithms, Software Modeling & Design

## TECHNICAL SKILLS

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**Programming:** Java, Python, C++, C, JavaScript, HTML5, CSS, Bootstrap

**Technologies:** AWS, WordPress, Git, Docker, Selenium, SpringBoot, Lombok

**Databases:** PostgreSQL, MySQL, MongoDB

**Methodologies:** Agile, Scrum, TDD, CI/CD

**Certifications:** MTA - Security Fundamentals: Microsoft, C Programming: SEED Infotech

## WORK EXPERIENCE

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### Software Development Engineer II - Amazon, USA

June 2024 - Present

**Team:** *Alexa Engagement and Revenue Optimization (AERO)*

- Pioneered the expansion of AERO services into the LLM domain, setting the stage for the next evolution of Alexa's capabilities.
- Led the development of features for the Content Injection Framework (CIF) and Rotating Content Panel (RCP), enhancing proactive content delivery to global customers.

### Software Development Engineer I - Amazon, USA

June 2023 - June 2024

**Team:** *Alexa Engagement and Revenue Optimization (AERO)*

- Engineered and implemented multiple features, including guardrails for content delivery and logging to telemetry systems, enhancing the precision and efficiency of proactive content distribution globally.
- Adapted AERO's system for significant API contract changes during an internal migration, engaging with stakeholders and devising a robust, future-proof solution.
- Mentored and onboarded an intern, leading to their seamless integration and transition into a productive full-time SDE I position.
- Proactively identified operational inefficiencies, improving data accuracy and trend identification, and enhancing the team's ability to resolve recurring issues.
- Demonstrated leadership in technical discussions, decision-making, and fostering cross-team collaboration within an agile environment, particularly in API changes and migration projects.

### Software Development Engineer I - Amazon, USA

May 2022 - June 2023

**Team:** *Alexa Content Injection Frameworks (CIF) / Alexa Suggestions*

- Achieved a 60% reduction in infrastructure costs through strategic optimization, enhancing service efficiency & financial savings.
- Developed user-centric features for Alexa, including unblocking the background audio/media feature, significantly reducing customer dissatisfaction rates.
- Contributed to operational support by reducing service tickets, holding productive operational bashes, and implementing an internal tracker bot for escalations.
- Acted as the front line for customer escalations, ensuring high availability and scalability of the team's software.

### Developer Support Engineer I - Amazon Web Services, USA

Jul 2021 - April 2022

- Worked on resolving and maintaining AWS SDKs for Java, CLI and Python (boto3).
- Solved bugs, feature requests and guidance issues for AWS SDKs collaborating with multiple SDK teams.
- Gained hands-on experience using various services and their API functionalities offered by Amazon Web Services (AWS).

### Software Engineer - Arizona State University, USA | [3DConcrete](#) | [TOMNET](#) | [SSEBE](#)

Dec 2019 - May 2021

- Teamed up with teams across various departments to engineer and document source code in Java and Python.
- Developed, redesigned, and managed Arizona State University websites from scratch using WordPress, HTML, CSS & JavaScript.

### Software Engineer Intern - A.B. Enterprises, India

Apr 2017 - Mar 2018

- Implemented & deployed a Inventory Management & Sales Analysis Software using Java, Python and MySQL.
- Attained 20% increased work productivity & profits from the introduction of management software for the company.
- Navigated the manufacturing company's direction towards a highly reliant automated software-based environment.

## PROJECTS

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### Software Development for Laser Marking Machines

Fall 2018 - Spring 2019

- Assembled 3 modules: Automation of laser marking jobs, camera orientation & image correction, & real-time error detection into a desktop software for automating the laser marking machines at Suresh Indu Lasers Pvt. Ltd.
- Engineered the software using C#, Java, VS19, Python & also published a paper in an *International Journal (IJIRSET)*.