

# AAYUSH SHARMA

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## EDUCATION

<b>Master of Science, Computer Science</b> Arizona State University, Tempe, Arizona	May 2024 CGPA– 3.77/4.00
<b>Bachelor of Technology (Honors), Computer Science &amp; Engineering</b> Bhilai Institute of Technology (BIT), Durg, Chhattisgarh – India	October 2020 CGPA– 8.76/10.00

## TECHNICAL SKILLS

**Programming:** Java, C#, JavaScript, Python, PHP

**Frontend Tools:** HTML5, CSS, Bootstrap, AJAX, React, D3.js

**Backend Tools:** MySQL, Microsoft SQL Server, Google Firebase Realtime DB, Flask

**Other Skills:** AWS, Azure DevOps, JIRA, GitHub, Docker, Kubernetes, .NET, Android, Xamarin, Node.js, JUnit, Postman, Figma, MS Office

**Certifications:** AWS Certified AI Practitioner (Jun 2025), Foundations of PM (Jan 2024), AWS Certified Cloud Practitioner (Mar 2022), IBM - Cloud v1 (Sept 2022), Microsoft Certified Azure Fundamentals (Apr 2021), Data Structures & Algorithms – NPTEL (Apr 2019)

## PROFESSIONAL EXPERIENCE

<b>Cloud Engineer (DMI) – Amazon Web Services (AWS)   Seattle, Washington</b>	June 2024– Present
<ul style="list-style-type: none"><li>Delivering technical solution, leveraging advanced troubleshooting techniques for AWS services for Mobile and IoT including Lambda, Connect, SNS, SQS, End User Messaging, Cognito, and IoT Core, to resolve complex issues and provide tailored solutions.</li><li>Collaborating with development teams on process improvements, strategic initiatives, and script development using AWS services.</li></ul>	
<b>Intern – Open-Source Programs – Spirent Communications   Calabasas, California</b>	August 2023– November 2023
<ul style="list-style-type: none"><li>Deployed Spirent's AION &amp; CloudSure on OKD using Kubernetes &amp; Docker for 5G CNF testing and managed the project's GitHub repo.</li><li>Engineered an automated workflow using Python, utilizing CloudSure REST API, achieving up to 2x faster resilience test execution.</li><li>Led the deployment and fine-tuning of Open5Gs for 5G CNF Testing in an AWS environment.</li></ul>	
<b>Web Aide (Student Worker) – Project Humanities, Arizona State University   Tempe, Arizona</b>	September 2022– May 2024
<ul style="list-style-type: none"><li>Revamped Web UI/UX with JavaScript, CSS, HTML, Drupal, and WordPress, enhancing traffic, quality, and platform stability.</li><li>Automated data flow &amp; email processes in Salesforce Automation Studio to reduce manual workload by as much as 50%.</li></ul>	
<b>Application Developer – IBM India   Bengaluru, Karnataka, India</b>	March 2021– July 2022
<ul style="list-style-type: none"><li>Developed QA Automation Scripts for cross platform mobile application, decreasing reliance on manual testing by up to 70%.</li><li>Collaborated with development team to enhance application features using Xamarin and MVC design patterns, managed defect tracking in Azure DevOps, and addressed issues to improve the application performance.</li></ul>	
<b>Intern – Information Technology Group, CSIR-CMERI   Durgapur, West Bengal, India</b>	June 2019– July 2019
<ul style="list-style-type: none"><li>Hypothesized a Smart Contract on the Ethereum Blockchain to facilitate secure peer-to-peer communication among millions of IoT devices, establishing an authentication platform for data sharing and communication.</li></ul>	

## ACADEMIC PROJECTS

<b>Distributed Image Analysis and Character Recognition System</b>	August 2022– November 2022
<ul style="list-style-type: none"><li>Created a distributed application using TensorFlow and OpenCV for real-time image segmentation and concurrent digit recognition, incorporating RESTful APIs for seamless data exchange across the network.</li></ul>	
<b>Friends Chat: An Intelligent Chat Application</b>	January 2020– June 2020
<ul style="list-style-type: none"><li>Spearheaded initiatives to unveil and combat spam and antisocial interactions online through a Chat Application, integrating Google Cloud NLP API for instant sentiment analysis to identify and flag such activities.</li></ul>	
<b>Mobile Application for Training &amp; Placement Cell</b>	July 2019– September 2019
<ul style="list-style-type: none"><li>Empowered the Training and Placement Cell with a dynamic mobile application, streamlining job posting, resume shortlisting, and resource access. The application significantly contributed to seamless management of career fairs, elevating overall experience.</li></ul>	
<b>Local Variables- The Private Community of Students</b>	February 2018– December 2018
<ul style="list-style-type: none"><li>Envisioned a holistic platform for students, crafting mobile and web applications promoting collaboration via notes sharing, project teamwork, live chat, and discussion forums. This platform empowered over 4000 students across diverse schools.</li></ul>	

## ACTIVITIES & HONORS

- Volunteer at Project Humanities, helping people experiencing homelessness with clothing, and medicines as a personal shopper.
- Event Coordinator for Hacks for Humanity, a Hackathon organized by Project Humanities at Arizona State University.
- Core Technical (Web Development) Team Member of OJAS-2019, techno-cultural fest of BIT Durg.
- Secured 1st Position in TechDX, a software innovation competition by BODEX LLC.
- Secured 1st Position in Hack-A-Tron 2019, a Hackathon organized at BIT Durg.
- Received Prime Minister's Trophy Scholarship by SAIL (India) for 4 years during undergraduate studies.