AAYUSH SHARMA

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EDUCATION

Master of Science, Computer Science	*May 2024*
Arizona State University, Tempe, Arizona	CGPA– 3.77/4.00
Bachelor of Technology, Computer Science & Engineering	*October 2020*
Bhilai Institute of Technology (BIT), Durg, Chhattisgarh – India	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: Foundations of Project Management (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

Web Aide (Student Worker) – Project Humanities, Arizona State University | *Tempe, Arizona* *September 2022– May2024*
- Revamped Web UI/UX with JavaScript, CSS, HTML, Drupal, and WordPress, enhancing traffic, quality, and platform stability.
- Automated data flow & email processes in Salesforce Automation Studio to reduce manual workload by as much as 50%.

Intern – Open-Source Programs – Spirent Communications | *Calabasas, California* *August 2023– November 2023*
- Deployed Spirent's AION & CloudSure on OKD using Kubernetes & Docker for 5G CNF testing and managed the project's GitHub repo.
- Engineered an automated workflow using Python, utilizing CloudSure REST API, achieving up to 2x faster resilience test execution.
- Led the deployment and fine-tuning of Open5Gs for 5G CNF Testing in an AWS environment.

Application Developer – IBM India | *Bangalore, Karnataka, India* *March 2021– July 2022*
- Implemented QA Automation Scripts for cross platform mobile app, decreasing reliance on manual testing by up to 70%.
- Collaborated with dev team to enhance app features using Xamarin and MVC design patterns, managed defect tracking in Azure DevOps, and addressed issues to improve the app performance.
- Revolutionized shopping by creating a Metaverse Retail App with Unity & Dynamics 365, offering lifelike interactions.

Intern – Information Technology Group, CSIR-CMERI | *Durgapur, West Bengal, India* *June 2019– July 2019*
- 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.

Intern – Institute of System Studies & Analyses, DRDO | *New Delhi, India* *June 2018– July 2018*
- Engaged in simulation and computation for Java-based software developed by DRDO, enhancing the visualization of combat rehearsals. Simultaneously, actively participated in crafting an Inventory Tracking Android App for the department.

ACADEMIC PROJECTS

Distributed Image Analysis and Character Recognition System *August 2022 – November 2022*
- Created a distributed app leveraging TensorFlow and OpenCV for real-time image segmentation and concurrent digit recognition, utilizing RESTful APIs for networked data interchange.

Friends Chat: An Intelligent Chat Application *January 2020 – June 2020*
- 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.

Mobile Application for Training & Placement Cell *July 2019 – September 2019*
- Empowered the Training and Placement Cell with a dynamic mobile app, streamlining job posting, resume shortlisting, and resource access. The app significantly contributed to seamless management of career fairs, elevating overall experience.

Local Variables- The Private Community of Students *February 2018 – December 2018*
- Envisioned a holistic platform for students, crafting mobile and web apps promoting collaboration via notes sharing, project teamwork, live chat, and discussion forums. This platform empowered over 4000 students across diverse schools.

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.