

AKASH AGARWAL

aagar164@asu.edu | (623)281-6287 | linkedin.com/in/akash-agarwal2908

SUMMARY

Master's student in Software Engineering at Arizona State University with 2+ years of experience in full-stack development, cloud platforms, and automation, seeking internship opportunities in summer 2025.

EDUCATION

MS in Software Engineering

Arizona State University, AZ, USA

August 2024 – Present

MS in Computer Science

Savitribai Phule Pune University, Pune, India

August 2021 – May 2023

GPA: 3.32/4.0

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, Java, HTML, CSS

Cloud Platform: Amazon Web Services (AWS), Microsoft Azure, IBM Cloud, Google Cloud Platform (GCP), Docker, Kubernetes, Ansible

Databases & Query Languages: PostgreSQL, MySQL, NoSQL, SPARQL

Tools: Git, GitHub, CI/CD, Android Studio, PyCharm, Visual Studio Code, Eclipse, Jira, Postman

Frameworks & Libraries: React.js, Vue.js, Angular, Node.js, Flask, Spring Boot, Mocha, Cypress, PyTest, JUnit

WORK EXPERIENCE

Jr. Automation Engineer, Neova Solutions – Pune, India

April 2023 – August 2024

- Developed reliable testing methods for APIs, user interfaces, and command-line interfaces. Also, established adaptable Kubernetes-based test environments for various deployment scenarios.
- Managed comprehensive security tests as part of continuous integration and continuous deployment (CI/CD) pipelines. Automated vulnerability assessments and improved overall production readiness.

Software Engineer, Tata Consultancy Services – Pune, India

June 2021 – August 2022

- Collaborated with cross-functional teams to develop and maintain software applications, focusing on writing clean, efficient, and scalable code.
- Administered in designing and implementing new features, bug fixes, and performance improvements within existing software products.

Full-Stack Developer Intern, Mindlabz Solutions – Pune, India

December 2022 – May 2023

- Played a key role in the development (front-end and back-end) of software for an R&D "data logger" project designed to support data analytics objectives.
- Took charge of both front-end and back-end development components, ensuring a comprehensive software solution.

PROJECTS

Research Paper Management System - Java

- Developed a sophisticated Research Paper Management System, showcasing strong software development skills. Played a pivotal role in the system's design and implementation, ensuring efficient organization, retrieval, and sharing of research papers among scholars and researchers.

Stock Price Prediction Using Machine Learning - Pandas, NumPy, Scikit-learn, TensorFlow

- Collaborated on a project that involved using machine learning algorithms to predict stock prices based on historical data, technical indicators, and market sentiment analysis.

XSeller.com - HTML, CSS, JavaScript

- Built a responsive e-commerce website for buying and selling second-hand items using HTML, CSS, and JavaScript, as well as the Bootstrap framework and the Django backend.

PUBLICATIONS

Understanding the Nature of Consciousness with AI -

IRJET Volume 10, Issue 8, August 2023, S.No:149

August 2023

AI-Enabled Black Hole Detection and Deflection -

IRJET Volume 10, Issue 9, September 2023, S.No:24

September 2023