

NISHAD GUPTA

Boston, MA

☎ +1-919-402-3647 ✉ guptanis@iu.edu [in linkedin.com/in/NishadGupta/](https://www.linkedin.com/in/NishadGupta/) github.com/NishadGupta

EDUCATION

Indiana University

Bloomington, Indiana

Master of Science in Computer Science | GPA: 4.0/4.0

August 2022 – May 2024

Relevant Courses: Applied Algorithms, Software Engineering, Computer Vision, Database Technologies, Computer Networks.

Roles: Associate Instructor for 3 graduate courses: Applied Algorithms, Data Mining and Introduction to Programming.

Publication: "Novel NBA Fantasy League driven by Engineered Team Chemistry and Scaled Position Statistics" published in **IEEE Big Data 2023 Data Centric AI workshop**.

EXPERIENCE

AGCO Corporation

Hesston, Kansas, USA

Software Developer Intern | Python, Amazon Web Services, PostgreSQL, Git

May 2023 – December 2023

- Collaborated on the **Internet of Things (IoT)** management development team, specializing in **Amazon Web Services technologies**, cloud computing, creating and managing over 6 secure applications.
- Architected, developed, and deployed more than **50+ Lambdas, 4 AuroraDB instances, and 10+ step function** to implement multiple vigilant IoT data workflows.
- Spearheaded comprehensive support to third-party vendors, ensuring seamless execution of over 3000 **hardware device activations and deactivations by implementing innovative serverless services**.
- Independently devised a notification application, for the FUSE department using **AWS SNS AND SES**

Amadeus

Bengaluru, India

Senior Software Developer Engineer | Java, Openshift, Kubernetes, Helm

January 2020 – July 2022

- **Led the Tooling Quality Team of 5 members**, creating more than **3+ automated tools for 4 Quality Assurance Scrum teams**, reducing the manual effort by 80%.
- Created and deployed 6+ test result dashboards using **JSON, Splunk and HTML**, slashing time to read error reports by 10x.
- Orchestrated the **development and production of more than 5 Java based cloud applications**.
- Engineered approaches to processing data from a custom **REST API** and automatically pushing data to the database, resulting in a 30% increase in processing speed.
- Corresponded with a team of 20 engineers to set up and monitor multiple **CI/CD Jenkins pipelines**, and provided assistance in **pushing infrastructure to production**.
- Played a vital role in reducing the availability error rate to 0% during the cloud migration of a major test mocking tool to **Openshift**.
- Developed an **automated mocking tool** utilized by 8 internal teams to simulate **API calls** for the user to a proxy server, rather than the actual service.
- Liaised with engineering and product teams across the globe.

SKILLS AND CERTIFICATIONS

Languages: Python, Java, C++, SQL, R, JavaScript, HTML, CSS.

Web Technologies: AWS, Kubernetes, Openshift, Azure, Helm, Terraform.

AWS Services: EC2, Lambda, RDS, API, SNS, SES, SQS, CloudFormation, Aurora, Step Functions.

Databases: PostgreSQL, DynamoDB, MySQL, MongoDB, Neo4j, Cassandra.

Other Technologies: Splunk, ReactJS, NodeJS, Django, AngularJS, Spring Boot, Jenkins, Docker, SonarCloud, Maven, J2EE, HTTP, Artifactory, Bitbucket, QuarkusDev, Swagger, GitHub Actions, Windows.

Certifications: **AWS Certified Cloud Practitioner**

PROJECTS

Nobel NBA Fantasy League using Engineered Team Chemistry | Python, Flask, Azure, Github

- Constructed a predictive model with an accuracy rate of **86%** for forecasting playoff qualification, using a methodical strategy centered on team chemistry and analysis of player statistics.

FourthStreet Warehouse | Python, Flask, Azure, JavaScript, HTML, CSS, MySQL

- Developed an e-commerce website using **Flask** and **MySQL** that enabled seamless buying and selling of various products, encompassing all 4 **CRUD** operations.
- Employed **Azure** for hosting the website and database with 6 tables.