

# Omkar Pisal

480-818-7053 • [opisal@asu.edu](mailto:opisal@asu.edu) • [linkedin.com/in/omkarpisal](https://www.linkedin.com/in/omkarpisal) • [github.com/Omkar-Pisal](https://github.com/Omkar-Pisal)

## EDUCATION

### Master of Science, Computer Software Engineering

Arizona State University, Tempe, AZ

Expected May 2024

4.0 / 4.0GPA

### Bachelor of Engineering, Computer Science

Pune University, Pune, IN

May 2021

9.8 / 10.0 GPA

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, .NET, PHP, Perl, Ruby, Rust, Groovy, Elixir, C/C++, Bash, SQL and NoSQL.

**Frameworks, Tools:** Kubernetes, Docker, Terraform, Ansible, CloudFormation, Lambda, Redshift, Laravel, Puppet, Chef.

**Databases, Platforms:** AWS, Azure, GCP, OpenStack, JIRA, Git, Jenkins, VMWare, PowerShell, Kafka, Hive, Hadoop.

## PROFESSIONAL EXPERIENCE

### Software Engineer, Morgan Stanley

May 2021 – Jul 2022

- Developed and deployed scalable and efficient backend solutions using Java, Spring Boot, and Python for a cloud-based SaaS product, resulting in performance improvement by 50%.
- Collaborated with cross-functional teams to design and implement RESTful APIs for seamless integration with frontend applications, accelerating development cycles by 30ms.
- Conducted unit tests and performed code reviews to ensure code quality and adherence to best practices, enhancing overall code stability and leading to decrease in production bugs by 40%.
- Demonstrated expertise in MS SQL Server, C# and ASP.NET by contributing to the development of robust, database-driven applications and ensuring efficient data management and retrieval.
- Developed and optimized high-performance C++ apps on Linux with GPU processing using CUDA and OpenCL, enhancing software architecture for industry-leading software development.

### Devops Intern, Zensar Technologies

May 2019 – Jul 2019

- Assisted senior engineers on 30+ open-source projects involving Kubernetes, Jenkins, Docker and GlusterFS, streamlining processes and increasing efficiency by 50%.
- Deployed scalable and efficient infrastructure management solutions using Terraform, Vagrant, Docker, Kubernetes, and 18+ other automation tools, resulting in performance boost by 50%.
- Worked closely with cross-functional teams to architect and implement infrastructure support for AWS EC2, RDS, Elastic Load Balancers, Route53, and CloudFront, resulting in a 30% improvement in development cycles.
- Implemented Teradata Vantage installation on 50+ Kubernetes clusters with 200+ nodes using KubeKit for deployment, improving code stability by 40%.
- Led a team of 4 DevOps engineers in the transition from Azure to GCP, saving the company \$2M per year and raising efficiency by 10%.
- Implemented infrastructure-as-code using AWS CloudFormation and managed deployments using AWS Code Pipeline, reducing deployment time by 8mins.

## RELEVANT PROJECTS

### Malicious URL Detection using Machine Learning

May 2023 – Jul 2023

- Employed Phishtank database for training feed-forward neural network, enhancing web security and resulting in identifying phishing attempts by 90%.
- Designed an approach using Python to classify URLs as safe or unsafe, reducing manual efforts by 50%.

### Scrapedia

Aug 2022 – Dec 2022

- Engineered real-time data processing and analytics solutions using Apache Kafka, Apache Spark, and Hadoop, optimizing data processing speed by 60% and enabling faster decision-making for the team.
- Transformed scrapped data into desired formats like JSON, LinkedList and Binary Tree to store it in a database, achieving faster processing and analysis speed by 60ms.

## WORK EXPERIENCE

### IT Support Assistant, Arizona State University

Jan 2023 – May 2024

- Supported the Workday Adaptive Planning enterprise budget system by providing expertise in system assistance and security management, resulting in cost saving by \$100,000.
- Streamlined integration operations, resulting in a remarkable decrease in user-reported issues by 30% and optimizing overall system response time by 40ms, leading to enhanced user satisfaction and improved performance.