

# HARSH MASANE

Binghamton, NY | 607-621-8845 | [hmasane@binghamton.edu](mailto:hmasane@binghamton.edu) | [www.linkedin.com/in/harsh-masane](http://www.linkedin.com/in/harsh-masane)

## PROFILE SUMMARY

- Proficient in Python, Bash/Shell Scripting, and tools such as Jenkins, Docker, and MongoDB to solve complex business problems and drive operational efficiency.
- Good commands over SQL, debugging SQL, Power BI, enabling efficient data manipulation and analysis.
- Proven ability in advanced backup and restore systems, reducing downtime, and ensuring data reliability.
- Passionate about leveraging emerging technologies and critical thinking.

## RELEVANT COURSEWORK

- Design & Analysis Comp Algo
- Cloud Computing
- Database Systems
- Data Mining
- IOT
- Computer Communication Network
- Management Information System

## EDUCATION

**Binghamton University, State University of New York, School of Computing**

*Expected May 2026*

*Master of Science in Computer Science - GPA: 3.2/4.0*

**Dwarkadas Jivanlal Sanghvi College of Engineering, Mumbai, India**

*May 2022*

*Bachelor of Engineering in Electronics Engineering - GPA: 3.4/4.0*

## TECHNICAL SKILLS

- **Languages:** Python, Shell/Bash Scripting, Groovy, YAML, SQL.
- **Software and OS:** Git, Bitbucket, Linux, Windows.
- **Additional:** Jenkins, Ansible, Docker, Kubernetes, JIRA, SVN, Sonatype Nexus, Maven, MongoDB, Kafka, Healthcheck.io, Microsoft Tools and Power Apps.

## PROFESSIONAL EXPERIENCE

**Assistant Manager, DevOps Engineer**

*June 2022 – August 2024*

**Edelweiss Global Markets, Mumbai, India**

- Built and maintained multiple CI/CD pipeline using Jenkins, Bash scripting, python, SVN, Sonatype Nexus, which reduced time to deployment of application by 90% which accelerated the delivery of application.
- Designed and managed Docker containerization to streamline application deployment processes, which decreased the development team manual updates of packages in application.
- Managed user access and repo management across multiple platforms such as bitbucket, SVN and Sonatype-Nexus, ensuring secure and efficient access for all users across the organization to maintain data privacy.
- Created data backup/restoration job and cluster setup for MongoDB database using Jenkins, Bash scripting, Ansible, which boosted data integrity by 90%, on time availability of data and minimal downtime.
- Managed monitoring application tools such as M/Monit for error and log handling of applications and HealthCheck.io for cron job monitoring, which help identify issues by alert mechanism before they impact.

## PROJECTS

**AutoDeployment** | Jenkins, CI/CD, Maven, Bash Script, Python, Sonatype-Nexus, JIRA | Team

- Implemented an automated CI/CD pipeline using Jenkins and configured Maven for auto release version, Utilized Bash scripts with python programming for seamless deployment of the application to the servers with different environment systems. This reduced manual intervention (Configurations) with quick (2 minutes), On-demand and efficient deployment.

**DB Backup and Restore System** | Jenkins, Bash Script, MongoDB | Independent

- Developed an advanced Bash script for automating MongoDB backup and restore processes for full database backup, specific database or collection backup with option as renaming of databases. This empowered data reliability with 96% efficiency and minimizing downtime in case of data loss.

**Web Scraping** | Python, AWS S3, Power BI | Independent

- Created an automated application using python programming to fetch BSE(Bombay Stock Exchange) and NSE(National Stock Exchange) circulars for corporate announcements on equity data by using API links, stored in dictionary format, then keyword matching using spacy and finally storing data in CSV file in AWS S3 buckets for data visualization on PowerBI dashboard, reduced manual efforts by saving hours, enhanced user experience. This enabled data-driven decision-making.

## EXTRACURRICULAR / CERTIFICATIONS

- DevOps Engineering on Amazon Web Services (AWS) with JAM - [View Credentials](#)
- Docker and Kubernetes - [View Credentials](#).
- NISM-Series-VII: Equity Derivatives Certification Examination - [View Credentials](#) .
- Python for Everybody Specialization - [View Credentials](#).
- Technical project competition University of Mumbai (district level) Avishkar Research Convention - [View Credentials](#).