

Preetham Bhavirisetty

Portfolio: <https://preetham.online>

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EDUCATION

Binghamton University

Master of Science in Computer Science

August 2022 – December 2024

Binghamton, NY

VR Siddhartha Engineering College

Bachelor of Technology in Information Technology

May 2018 – June 2022

Hyderabad, India

PROFESSIONAL EXPERIENCE

IBM

Software Engineer / Python

May 2023 – Present

Edison, NJ

- Developed and deployed scalable web applications using Python and Django REST Framework, enhancing user experience through optimized React.js front-end integration.
- Implemented automated deployment processes with Docker and Jenkins, streamlining CI/CD pipelines and reducing deployment time by 40%, which resulted in a 25% decrease in downtime.
- Utilized AWS services to enhance system reliability and scalability while ensuring system uptime through effective monitoring with Prometheus and Grafana.
- Leveraged Tableau and Python for data visualization and analysis, improving data-driven decision-making efficiency and reducing data processing time.

Accenture

Python Developer

May 2021 - July 2022

Hyderabad, India

- Collaborated and maintained web applications using Python and Flask, successfully migrating from Python 2.7 to 3.10, improving code efficiency and maintainability.
- Utilized React.js to enhance user interfaces, collaborating with cross-functional teams to deliver responsive and user-friendly applications.
- Achieved a 30% increase in overall application performance through these enhancements.

Optum

Associate Software Developer

January 2021 – April 2021

Hyderabad, India

- Optimized and implemented automated solutions using Python and Shell scripts, resulting in a significant reduction in manual processes and improving operational efficiency across multiple teams.
- Designed and deployed interactive dashboards in Tableau, leveraging data visualization to enhance decision-making and increase report generation speed.

TECHNICAL SKILLS

Programming (Python, Java, Go, C++) | **Web Development** (HTML, CSS, JavaScript, React.js, Tailwind CSS)

Cloud Technologies (AWS, Kubernetes, Cloud Foundry, Docker, Terraform)

Database (SQL, PostgreSQL, MongoDB) | **DevOps** (Jenkins, CI/CD pipelines, Git, GitLab)

Data Visualization and Monitoring Tools (Tableau, Datadog)

Libraries (Pandas, NumPy, Seaborn, Bokeh, sklearn) | **Data Pipelines** (ETL, Data Processing Pipeline)

PROJECTS

Market Sales Analysis - Dashboard

March 2024

- Leveraged Pandas for data cleaning and automation, boosting forecast accuracy, reducing stockouts, and cutting prep time, while creating Tableau dashboards that improved data access, reduced retrieval time, and drove a sales increase.

Task Management - GitHub

October 2022 – November 2022

- Architected a task management platform using Vue.js and PostgreSQL, streamlining workflows and enhancing efficiency, resulting in a 30% increase in task completion rates and a 25% reduction in processing time.