

Preetham Bhavirisetty

Portfolio

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EDUCATION

Master of Science in Computer Science
[Binghamton University](#)

August 2022 – December 2024

Bachelor of Technology in Information Technology
[VR Siddhartha Engineering College](#)

May 2018 – June 2022

TECHNICAL SKILLS

- **Programming Languages:** Python 3, Golang, Java, MATLAB
- **Data Analysis & Machine Learning:** NumPy, pandas, sklearn, matplotlib, seaborn, PySpark, PyTorch
- **Web Development:** JavaScript, HTML, CSS, Django, React.js, Tailwind CSS, AWS SQS, Step Function,
- **Database Management:** SQL, PSQl, MongoDB, MySQL, PostgreSQL, SQLite, Amazon DynamoDB
- **Data Visualization Tools:** Tableau, Power BI
- **Version Control & Others:** Git, Data Structure, System Design, Data Modeling, AWS Lambda, Amazon ECS

PROFESSIONAL EXPERIENCE

Saadruso Technology Venture Pvt Ltd
[Software developer](#)

Hyderabad, India
May 2021 – July 2022

- Implemented various APIs and business logic for Event Core, our flagship digital memory book product
- Integrated the back end through Golang, ensuring a cohesive and efficient system, Which Reduced processing time by 30% and improved scalability by 25%
- Created a plugin to showcase event and moment photos and posts on our WordPress site.

Avanish Solutions
[Associate Software Developer](#)

Hyderabad, India
January 2021 – April 2021

- Streamlined data operations, cutting transfer time by 40% and data loss incidents by 25%.
- Improved databases by 30% in response time and 20% in reliability.
- Executed trend analysis and statistical monitoring to identify valuable insights from the data, facilitating a 15% increase in predictive accuracy and a 20% enhancement in decision-making efficiency.

PROJECTS

Market Sales Analysis - [Dashboard](#)

March 2024 – April 2024

- Examined sales data using Pandas to identify trends and correlations, leading to a 20% increase in forecast accuracy, which improved inventory management and reduced stockouts by 15%.
- Created interactive dashboards in Tableau that visualized key performance metrics, enhancing data accessibility by 30% and reducing data retrieval time by 25%, enabling faster and more informed decision-making.
- Automated data processing with Pandas, reducing prep time by 40% and boosting actionable insights by 15%, leading to a 10% sales growth.

Task Management - [GitHub](#)

October 2022 – November 2022

- Architected and delivered a robust task management platform using Vue.js on the front-end and PostgreSQL on the back end.
- This integrated system streamlined user workflows, resulting in a 30% increase in task completion rates and a 25% reduction in processing time, exemplifying my comprehensive full-stack development expertise.

Portfolio - [Portfolio](#)

August 2024 - Present

- Developed a dynamic personal portfolio website using React and Tailwind, showcasing projects and professional experiences. Integrated D3.js for interactive data visualizations, enhancing user engagement and data presentation.
- Deployed and managed the portfolio on AWS, utilizing cloud services for scalable and secure hosting, ensuring optimal performance and availability across various devices.

CERTIFICATIONS

- Earned AWS Fundamentals: Going Cloud-Native certification – Coursera.
- Volunteered with NSS to assist flood victims by distributing food and blankets.
- Arranged and executed coding competitions through ACM, attracting participants – universities.