

JAHNAVI BHEEMAVARAPU

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EDUCATION

Master of Science (MS), Computer Science (GPA: 3.55/4.00) University of Florida, Gainesville, Florida, USA.	Aug 2023 – Dec 2024
CISE Senior Certification, Computer Science (GPA: 3.64/4.00) University of Florida, Gainesville, Florida, USA.	Jan 2023 – May 2023
Bachelor of Technology (B. Tech), Computer Science (GPA: 3.71/4.00) Manipal University, Jaipur, India.	Jul 2019 - Jun 2023

SKILLS

Primary: Python, SQL, Git, HTML, CSS, JavaScript, Java, OOP, DevOps, Software Design, Machine Learning, C, C++, and Debugging.
Software: React, Angular, Oracle DB, Spring Boot, NoSQL, Node.js, Scalability, Software Testing, Go, MongoDB, and Kubernetes.
Tools: VSCode, Dataiku, GitHub, Oracle SQL Developer, Docker, Flask, AWS, Cypress, Postman, Heroku, and Microsoft Suite.
Soft Skills: Problem Solving, Leadership, Communication, Flexibility, Adaptability, Time Management and Analytical Thinking.
Coursework: Analysis of Algorithms, Distributed Systems, Operating Systems, Database Management Systems, Data Structures, Software Engineering, Machine Learning, Computer Networks, Engineering Mathematics and UNIX Programming Laboratory.

EXPERIENCE

Full Stack Developer Intern at Foxmula (Bangalore, India)	Jun 2022- Dec 2022
<ul style="list-style-type: none">Enhanced InspiroCMS's backend by optimizing APIs and integrating Elasticsearch, reducing content retrieval time by 40%, ensuring faster search results and improved user experience.Developed dynamic content creation tools and a mobile-responsive UI, increasing author productivity by 25% and significantly improving user engagement across all devices.The Led Dockerization of InspiroCMS's full-stack application and implemented a CI/CD pipeline, reducing deployment time by 50% and ensuring smooth, automated releases.	
Data Analytics Intern at Globalshala (Hyderabad, India)	Jun 2021 - Aug2021
<ul style="list-style-type: none">Performed exploratory data analysis to identify trends, patterns, and anomalies, contributing to improved decision-making processes.Utilized programming languages such as Python to develop scripts for data preprocessing and analysis.Created visually compelling dashboards and reports using Tableau, effectively communicating complex findings to non-technical stakeholders and supporting data-driven decision-making.	

PROJECTS

Kubernetes Cluster Optimization Project with Feedback-based Control
<ul style="list-style-type: none">Implemented feedback-based controllers using a PID algorithm (Python) for dynamic adjustment of nodes and pods in Kubernetes.Developed workload prediction models based on CPU utilization metrics, employing Python for modeling and analysis.Attained 85 percent utilization, showcasing the effectiveness of the PID controllers and the utilization of various technologies in the project.
MERN Stack E-commerce Website
<ul style="list-style-type: none">Built a full-stack e-commerce web application utilizing the MERN stack to enable product browsing and purchasing.Implemented user authentication and authorization using JWT for secure login and account management. Utilized MongoDB for database storage and Express to create RESTful APIs and created responsive front-end using React.Managed server-side logic with Node.js to handle API requests and data transactions.
Smart Select: Elevating E-commerce Choices with Personalized Recommendations
<ul style="list-style-type: none">Engineered an E-commerce Sentiment Analysis System with NLP and collaborative filtering.Developed a dynamic Tableau dashboard, driving a 20% increase in customer engagement and sales. Showcased expertise in natural language processing and machine learning for impactful, data-driven decision-making.

CERTIFICATIONS

- Microsoft Azure Fundamentals
- Achieved Elite certificate in Programing Data Structures and Algorithms using Python from IIT-Madras NPTEL.