

JAHNAVI REDDY 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, React, Angular, Java, OOP

Tools: VSCode, Dataiku, GitHub, Oracle SQL Developer, Docker, Flask, AWS 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 at Community Dreams Foundation (Florida, USA)	Feb 2025 - Present
<ul style="list-style-type: none">Enhanced Designed and implemented end-to-end features for a digital business brokerage platform using React, Node.js, and RESTful APIs, supporting seller, buyer, and investor roles.Built secure authentication flows and dynamic role-based dashboards to deliver tailored user experiences across the platform.Developed backend logic for document upload, access control, and seamless integration with encrypted file storage.Worked cross-functionally with design, backend, and DevOps teams to deliver core MVP functionality on time and aligned with product requirements.	
Full Stack Developer Intern at Foxmula (Bangalore, India)	Jun 2022- Dec 2022
<ul style="list-style-type: none">Enhanced CMS'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 CMS's full-stack application and implemented a CI/CD pipeline, reducing deployment time by 50% and ensuring smooth, automated releases.	

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

- 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

- 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.