

Bhavani Shankar Sasank Mukkamala

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SUMMARY

Software Engineer with 3+ years' experience designing high-performance, scalable applications in Python/JavaScript. Strong in data analytics, distributed systems, and cloud platforms. Passionate about leveraging advanced technology and quantitative methods to solve challenging problems in capital markets. Thrive in small, collaborative engineering teams.

EDUCATION

California State University, Los Angeles <i>Master of Science in Computer Science (GPA: 3.94 / 4.00) (Dean's List – Top 10%)</i>	May 2025 Los Angeles, CA
Gandhi Institute of Technology and Management, Hyderabad, India <i>Bachelor of Technology in Computer Science and Engineering (GPA: 3.97 / 4.00)</i>	June 2023 Hyderabad, India

WORK EXPERIENCE

Community Dreams Foundation <i>Software Developer</i>	Los Angeles, CA Aug 2025 - Present
<ul style="list-style-type: none">Develop, test, and maintain scalable software applications using Python, Java, and C# to fulfill client and organizational requirements.Collaborate with cross-functional teams to deliver user-friendly solutions that improve application responsiveness and scalability.Conduct code reviews and debugging to enhance software reliability and elevate user experience.	
California State University, Los Angeles <i>Graduate Student Assistant</i>	Los Angeles, CA Oct 2023 – May 2025
<ul style="list-style-type: none">Achieved 95% success rate in resolving ServiceNow tickets by delivering timely support for software, hardware, and network issues.Reduced ticket resolution time by 30% and improved web service performance by 40% through optimized IT workflows.Maintained lab security and supported 500+ users, ensuring compliance and smooth operation of campus IT resources.	
Phoenix Global, Hyderabad <i>Machine Learning Engineer Intern</i>	Hyderabad, India Apr 2022 – July 2022
<ul style="list-style-type: none">Developed a Python-based backend services for NLP models, boosting accuracy by 25% using Scikit-Learn and TensorFlow.Engineered real-time Twitter sentiment analysis pipelines, enhancing data processing efficiency by 30%..Integrated and deployed optimized deep learning models to significantly enhance system performance.	
Defence Research and Development Organisation <i>Software Developer Intern</i>	Hyderabad, India May 2021 – Aug 2021
<ul style="list-style-type: none">Reduced data conversion time by 60% by engineering Python-based backend middleware for research workflows.Developed a user-friendly GUI-driven application (front-end with Tkinter) integrated with ML capabilities (backend) for data validation, demonstrating full-stack tool development.Conducted rigorous testing, achieving 100% accuracy in data conversion and handling datasets with over 1 million records.	

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, TypeScript, C#, Dart
Web Technologies: ReactJS, NextJS, AngularJS, HTML, CSS, Bootstrap, Express.js
Databases: MongoDB, MySQL, PostgreSQL, Oracle SQL
Cloud Technologies: AWS (EC2, S3), Google Cloud Platform, Docker

PROJECT EXPERIENCE

NeuralArt AI React.js, Node.js, Express.js, MongoDB, Hugging Face API github.com Live Link	Mar 2024
<ul style="list-style-type: none">Developed full-stack web app using React.js frontend, Node.js/Express.js backend, and MongoDB for data persistence, enabling AI art generation and sharing.Implemented secure user authentication (JWT) and backend image storage (Cloudinary), demonstrating expertise in web app features.Deployed app on Vercel (frontend) and Render (backend), showcasing experience with modern deployment tools.	
AI Medical Chatbot LangChain, Hugging Face, Streamlit, FAISS github.com	Nov 2024
<ul style="list-style-type: none">Developed a responsive AI chatbot web application, integrating LangChain and Hugging Face APIs.Optimized backend PDF processing with vector embeddings, reducing web app response time by 50%.Deployed a user-friendly Streamlit web interface with persistent chat history.	
Facial Emotion Recognition System Python, TensorFlow, OpenCV, Keras github.com	Jun 2024
<ul style="list-style-type: none">Trained and deployed a CNN-based emotion detection model achieving 85% accuracy.Enabled real-time inference at 15 FPS by integrating OpenCV preprocessing with TensorFlow, suitable for live video feeds.	

CERTIFICATIONS

- Full Stack Web Development, META, 2024
 - MongoDB for Developers, MongoDB University, 2023
- React.js Essential Training, LinkedIn Learning, 2024
 - Node.js: Advanced Concepts, Udemy, 2023