

Bhavani Shankar Sasank Mukkamala

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SUMMARY

Software Engineer with 3+ years of experience building scalable applications in Python, Java, and JavaScript. Skilled in distributed systems, cloud platforms, and data-driven problem solving. Strong track record of delivering high-performance solutions that improve efficiency and user experience in fast-paced environments.

WORK EXPERIENCE

Narb <i>Software Engineer Intern</i>	Los Angeles <i>Sept 2025 - Present</i>
<ul style="list-style-type: none">Designed, developed, tested, and maintained projects across software, hardware, automation, and infrastructure in alignment with company goals.Contributed to strategic execution by collaborating with cross-functional teams to deliver solutions that met business objectives.Researched and implemented enhancements to the multi-model query tool and AI SDK, improving responsiveness and performance.	
Community Dreams Foundation <i>Software Engineer</i>	Los Angeles, CA <i>Aug 2025 - Present</i>
<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 <i>Oct 2023 – May 2025</i>
<ul style="list-style-type: none">Achieved 95% success rate in resolving ServiceNow tickets by delivering timely support for software, hardware, and network issues.Streamlined IT workflows to reduce ticket resolution time by 30% and boost web service performance by 40%.Ensured secure lab operations and provided IT support for 500+ users, maintaining compliance and reliability of campus systems.	
Phoenix Global, Hyderabad <i>Machine Learning Engineer Intern</i>	Hyderabad, India <i>Apr 2022 – July 2022</i>
<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 <i>May 2021 – Aug 2021</i>
<ul style="list-style-type: none">Engineered Python-based backend middleware for research workflows, reducing data conversion time by 60%.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.	

PROJECT EXPERIENCE

NeuralArt AI <i>React.js, Node.js, Express.js, MongoDB, Hugging Face API</i> github.com Live Link	Mar 2024
<ul style="list-style-type: none">Developed a full-stack web application with React.js, Node.js/Express.js, and MongoDB, enabling AI-powered art generation and sharing.Implemented secure user authentication with JWT and integrated Cloudinary for backend image storage, enhancing functionality and security.Deployed the application using Vercel (frontend) and Render (backend), demonstrating proficiency with deployment platforms.	
AI Medical Chatbot <i>LangChain, Hugging Face, Streamlit, FAISS</i> github.com	Nov 2024
<ul style="list-style-type: none">Developed a responsive AI chatbot web application by integrating LangChain and Hugging Face APIs, enabling efficient conversational AI functionality.Improved AI chatbot responsiveness by 50% by optimizing backend PDF processing with vector embeddings, enhancing user experience.Increased user engagement by deploying a Streamlit web interface with persistent chat history, simplifying follow-up interactions.	
Facial Emotion Recognition System <i>Python, TensorFlow, OpenCV, Keras</i> github.com	Jun 2024
<ul style="list-style-type: none">Achieved 85% accuracy by training and deploying a CNN-based emotion detection model for reliable emotion recognition.Enabled real-time inference at 15 FPS by integrating OpenCV preprocessing with TensorFlow, supporting efficient live video feed analysis.	

EDUCATION

California State University, Los Angeles <i>Master of Science in Computer Science (GPA: 3.94 / 4.00)</i>	May 2025 <i>Los Angeles, CA</i>
<ul style="list-style-type: none">Honors & awards: Special Recognition in Graduate Studies, Merit-Based Fee Waiver Award	
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 <i>Hyderabad, India</i>

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