

Bhavani Shankar Sasank Mukkamala

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SUMMARY

Passionate problem-solver with a knack for turning ideas into reality. Blends AI, machine learning, and full-stack development to craft impactful solutions. Eager to grow and innovate in a collaborative environment.

EDUCATION

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| California State University, Los Angeles
<i>Master of Science in Computer Science (GPA: 3.94 / 4.00)</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

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| California State University, Los Angeles, CA
<i>Graduate Student Assistant (Assistant Lab Consultant)</i> | Oct 2023 – Present |
| <ul style="list-style-type: none">Enhanced lab efficiency by reducing downtime 30% through swift resolution of 100+ hardware, software, and network issues.Improved user satisfaction (95% rating) by managing 50+ monthly ServiceNow tickets, providing timely and effective solutions.Supported IT services for 500+ users, troubleshooting issues related to campus applications like Zoom, Teams, and Canvas. | |
| Phoenix Global, Hyderabad, India
<i>Machine Learning Engineer Intern</i> | Apr 2022 – July 2022 |
| <ul style="list-style-type: none">Deployed a real-time Twitter sentiment analysis system, enhancing data processing by 30% with Python, Tweepy, and Twitter API integration.Boosted sentiment classification accuracy by 25%, applying advanced NLP techniques and Scikit-Learn for improved business intelligence.Optimized data workflows, cutting model training time by 15%, delivering faster results for real-time sentiment analysis. | |
| Defence Research and Development Organisation, Hyderabad, India
<i>Software Developer Intern</i> | May 2021 – Aug 2021 |
| <ul style="list-style-type: none">Reduced data conversion time by 60% by designing a Python-based middleware, optimizing research workflows for 50+ users.Developed a user-friendly GUI with Tkinter, cutting manual data validation effort by 60% and streamlining data analysis.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, C#, Dart
Web Technologies: ReactJS, NextJS, AngularJS, HTML, CSS, Bootstrap, Express.js
Databases: MongoDB, MySQL, PostgreSQL, Oracle SQL
Machine Learning Tools: TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, OpenCV
Cloud Technologies: AWS (EC2, S3), Google Cloud Platform, Docker
Tools: Git, Jira, ServiceNow, LaTeX

PROJECTS

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| AI Medical Chatbot <i>LangChain, Hugging Face, Streamlit, FAISS</i>  github.com | Nov 2024 |
| <ul style="list-style-type: none">Developed an AI chatbot with LangChain and Hugging Face, achieving 90% accuracy in contextually relevant responses.Optimized PDF document processing, creating vector embeddings that reduced response time by 50%.Deployed using Streamlit, providing a user-friendly interface with persistent chat history. | |
| Facial Emotion Recognition System <i>Python, TensorFlow, OpenCV, Keras</i>  github.com | Jun 2024 |
| <ul style="list-style-type: none">Built a real-time emotion detection system, using CNN and TensorFlow, achieving 85% accuracy on the FER-2013 dataset.Integrated OpenCV for live processing, enabling real-time emotion detection at 15 frames per second. | |
| Cryptocurrency Price Predictor <i>Python, Flask, TensorFlow/Keras, yfinance</i>  github.com | Mar 2024 |
| <ul style="list-style-type: none">Developed a cryptocurrency price predictor with LSTM neural networks, achieving 80% accuracy on historical data.Streamlined data preprocessing (10,000+ data points) using Scikit-learn's MinMaxScaler, boosting model training efficiency by 25%. | |

CERTIFICATIONS

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| <ul style="list-style-type: none">Programming in Python, META, 2024Full Stack, META, 2024Machine Learning, University of Washington, 2024 | <ul style="list-style-type: none">Neural Networks and Deep Learning, DeepLearning.AI, 2022MongoDB Node.js Developer Path, MongoDB, 2023Object Oriented Programming in Java, UC San Diego, 2024 |
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