

Sriram Sohan Basa

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EDUCATION

Northeastern University

Master Of Science in Computer Science and Engineering

Expected May 2025

Boston, MA

Coursework: Application Engineering Development, Web design/User Experience, Database Management and Design, Algorithms, Neural Networks and Prompt Engineering

JNTU

BTech in Computer Science

May 2022

Hyderabad, Telangana

Coursework: Networking, Data Structures and Algorithm, Compiler Design, Machine Learning, Operating Systems, Artificial Intelligence, Unix Tools and Scripting

TECHNICAL SKILLS

Languages: Java,Python,C/C++, C#,SQL,JavaScript,Typescript, HTML/CSS,HTTP, PHP,GO

Frameworks: React.js, Node.js, Redux, Bootstrap, Microservices, Express.js, FastAPI

Tools: Git, Docker,Kubernetes, VS Code, Postman, Linux, PyCharm, IntelliJ, Power BI, Tableau,Jira

Cloud: Azure, AWS, EC2, ECS, ECR, S3, CodeBuild, Route 53, Google Cloud Platform

Libraries: Numpy, Pandas, PyTorch, Computer Vision, TensorFlow, SVM, CNN,NLP,PySpark

EXPERIENCE

Capgemini

Senior Software Engineer/SDE-2

Jul 2022 - Jul 2023

Bengaluru, India

- Designed and executed Python scripts for data transformation and analysis in financial services, enhancing data handling by 30%
- Led a cross-functional team in a key data integration project, achieving a 20% boost in efficiency
- Led the design and implementation of schemas, ensuring optimal structure and data integrity for financial datasets
- Optimized SQL queries and implemented best practices in database design to enhance scalability and performance of data-driven applications

Capgemini

Senior Analyst Intern

Feb 2022 - Jun 2022

Hyderabad, India

- Acquired hands-on experience, contributing to projects that increased client data insights by 25%

Verzeeo

Machine Learning Intern

Jan 2020 - Mar 2020

Hyderabad, India

- Developed an AI chatbot using NLP and ML algorithms to automate healthcare claim auditing, improving efficiency and user interaction
- Achieved a 90% accuracy rate in responding to user queries, significantly reducing manual review workload
- Streamlined the claim review process, resulting in a 20% reduction in processing time

PROJECTS

Tennis Analysis System | YOLOv8, OpenCV, PyTorch, CV2

Jul 2023

- Utilized Ultralytics YOLOv8 for real-time detection of tennis players and balls in images and videos.
- Fine-tuned and trained YOLOv8 on a custom tennis dataset to improve detection accuracy.
- Developed a CNN in PyTorch to extract keypoints on the tennis court.
- Implemented object tracking algorithms to maintain object identities across frames.
- Used OpenCV for reading, manipulating, and saving video frames.
- Analyzed detection data to develop data-driven features.
- Integrated outputs from ML/DL models into a cohesive analysis system.

Travel Website | React, Node.js, Express, MongoDB, HTML, CSS, JavaScript

Dec 2023

- Developed a web application for a travel website with advanced Features and UI
- Designed and maintained MongoDB database for efficient storage and retrieval of travel-related information
- Created responsive front-end interfaces using HTML, CSS, and JavaScript to enhance the user experience
- Implemented RESTful APIs using Node.js and Express to handle user reviews, accommodation data, and bookings

Face Recognition with Mask | MTCNN, FaceNet, SVM, XGBoost, Naive Bayes

Mar 2022

- Developed a face recognition model utilizing MTCNN and FaceNet to identify individuals wearing masks, achieving an accuracy of 95% in classifying mask-wearing individuals from a dataset of 10,000 images
- Conducted experimentation with various classification algorithms, including SVM, XGBoost, and Naive Bayes, to improve the accuracy of the model, resulting in a 15% improvement in accuracy from initial tests