Sai Bhanu Alamuri

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Education

Aditya Engineering College **Expected Grad 2026**
Bachelor of Technology in Computer Science *Surampalem, Andhra Pradesh*

Subanikethan College **May 2020 - June 2022**
Intermediate *Kakinada, Andhra Pradesh*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology

Experience

CodeClause **Feb 2024 – March 2024**
AIML Intern *Virtual*

- Developed a facial recognition system using Python, OpenCV, and Dlib, achieving high accuracy in identifying and verifying faces in images and video streams.
- Integrated pre-trained models to enhance the accuracy and efficiency of the facial recognition system demonstrating proficiency in model selection and optimization.
- Designed a object detection model using Python and OpenCV, utilizing various image processing techniques to identify and localize objects within images and video streams.
- Evaluated the object detection model using metrics such as precision and reacll to assess its effectiveness in detecting and localizing objects accurately.

Projects

Road Lane Detection by processing video | *Python, Deep Learning, PyCharm* **February 2024**

- Developed a real-time lane detection system using Python and OpenCV for analyzing video footage.
- Employed reinforcement learning techniques to fine-tune model parameters and optimize performance based on real-world feedback.
- Conducted thorough testing and evaluation, including quantitative metrics and qualitative assessment, to validate system performance and achieved 90 Percent accuracy.
- Collaborated with cross-functional teams to integrate the lane detection system into larger autonomous driving projects, ensuring seamless interoperability.

House Price Prediction using Regression Analysis | *Python, Machine Learning, PyCharm* **January 2024**

- Developed a regression model by feature engineering and model selection techniques to accurately predict house prices based on various features such as size, location, and amenities.
- Utilized Python libraries such as Pandas, NumPy, and Matplotlib to preprocess, analyze, and visualize housing market data for accurate price prediction.
- Attained an accuracy of 93 percent, demonstrating strong predictive power and capturing a significant portion of the variability in house prices.

Technical Skills

Languages: C, Cpp, Python, Java, HTML/CSS
Developer Tools: VS Code, Jupyter
Technologies/Frameworks:TensorFlow, PyTorch, Linux
Proficiencies: Machine Learning, Problem Solving, Data Structures and Algorithms

Certifications

- Deep Learning with Python by Infosys SpringBoard.
- Hands on Deep Learning for Computer Vision by Infosys SpringBoard.
- HTML and CSS, Python Programming from IT Specialist Certiport

Achievements

- Earned 5 star badge in C, Cpp, Python and Problem Solving in Hackerrank.
- Solved more than 200+ problems on Leetcode.
- Secured letter of recomedation from codeclause company for my excellent work during the internship.
- Selected for interview by iQuadra during campus placements with a top analytics score of 78%.
- Participated in various Ideathons and project-expo conducted in other colleges.