Anusha C

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EXECUTIVE SUMMARY

Aspiring AI Research Engineer and Analyst with a strong academic foundation in machine learning, deep learning, and data analysis. Proficient in Python, TensorFlow, and PyTorch, with hands-on experience through academic projects and research work. Eager to apply analytical skills and AI knowledge to solve real-world problems and contribute to innovative research.

EDUCATION

Dr. M.G.R Educational and Research Institute Chennai, India
Bachelor of Information Technology; ***CGPA: 7.95 / 10*** *October 2022 - Present*
Technical Skills: *Machine Learning and AI, Data Analytics.*

Saai Sri Matric Hr Secondary School Tiruvallur, India
HSC: ***73%*** *June 2020 - May 2022*

EXPERIENCE

iNueron.ai Remote
Machine Learning Intern *Oct 2024 – Nov 2024*

- Developed a GUI-based machine learning model to classify mushrooms as edible or poisonous, using real-world data and ensuring high accuracy through effective preprocessing and algorithm selection.
- Deployed the project as a standalone desktop application, enabling easy access for non-technical users and demonstrating practical implementation of ML in food safety.

SKILLS

Language - Python, Numpy, Pandas, Scikit learn.
Tools - VS Code, Jupyter Notebook, Git and GitHub
Soft Skills - Leadership, Event Management, Public Speaking, Time Management

PROJECTS

Anomaly Detection in Stock Market Trends Using Isolation Forest

- Engineered a Streamlit dashboard to detect anomalies in stock market behavior using the Isolation Forest algorithm. Enabled real-time analysis with simulated anomaly injections, chart visualizations, and automated email alerts.

MedPredict – Disease Risk Prediction Using Machine Learning

- Developed a multi model disease prediction tool that helps users find and predict various diseases using trained Random Forest Model. Integrated all models into a single interface to provide users with a personalized health assessment tool aimed at promoting early intervention and preventive care.

Mushroom Classification Using Supervised Learning

- Built a machine learning model to classify mushrooms as edible or poisonous using features from the UCI Mushroom Dataset. Deployed the model as a desktop GUI application, offering a practical and accessible solution for food safety awareness among general users and biology learners.

Bird Strike Analysis

- Analyzed bird strike incidents with Power BI, identifying trends and risks while using predictive analytics to enhance aviation safety and reduce costs

Bitcoin Prediction

- Developed a Bitcoin price prediction model using Python and machine learning techniques. Analyzed historical data to forecast future trends, aiding investment decisions

CERTIFICATIONS

- **Machine Learning using Python**
  NSIC
- **Full Stack Web Development**
  Tecxpera Technologies
- **Python With Data Science**
  NPTEL
- **Aws- Data Science**
  Enlight Wisdom

HONORS AND AWARDS

- **1st Prize - GRT Institute of Engineering and Technology:** Secured first place for presenting Heart disease prediction research paper, demonstrated strong research and public speaking
- **Inter college Event Award – Dr. M.G.R. Educational and Research Institute**: Recognized by the Department of IT for active participation and achievements in external technical and academic even
- **Seal the Deal, Sri Ramachandra Faculty of Engineering and Technology:** Awarded 1st place for business pitch excellence in an intercollege competition focused on innovation and negotiation skills.
- **2nd Prize – Paper Presentation, Rajalakshmi Engineering College:** Secured second place for presenting the MedPredict research paper, recognized for clarity, innovation, and technical depth.