Vinyas Kumar
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EDUCATION

•**Bachelor of Engineering in Artificial Intelligence and Machine Learning** *2020-24*
Vivekananda College of Engineering and Technology, Puttur CGPA: 8.46

•**Schooling** *2006-18*
Sudana Residential School Percentage: 84

•**Pre University in PCMC** *2018-20*
Narendra Pu College Percentage: 80

PERSONAL PROJECTS

•**Rain Prediction System**
A machine learning-based Rain Prediction System that forecasts the likelihood of rain for the next day using a 23-year dataset.

– Utilized the Random Forest algorithm for accurate predictions.
– Incorporated local API data for real-time weather forecasting.
– Dataset compiled by P.G.S.N Prasad, covering 23 out of 48 years.
– Technology Used: Python, Random Forest, Local API.

•**Age and Gender Prediction Using CNN**
A deep learning-based system that predicts age and gender from images using Convolutional Neural Networks (CNN).

– Employed CNN for high accuracy in age and gender classification.
– Integrated the system with a web interface for user-friendly interaction.
– Technology Used: Python, TensorFlow/Keras, OpenCV, Streamlit.

•**Pest Detection in leaf using Digital Image processing**
A digital image processing system for detecting pests on leaves to aid in early intervention and crop protection.

– Applied image processing techniques for accurate pest identification.
– Integrated a user-friendly interface for real-time analysis and results.
– Technology Used: Python, OpenCV

EXPERIENCE

•**Machine Learning Internship** *Aug - Sep 2023*
Zephyr Technologies and Solution Online
– Implemented regression algorithms for accurate price prediction.
– Analyzed and processed extensive real estate datasets for model training.
– Provided a user-friendly interface for inputting property details and obtaining price estimates.
– Technology Used: Python, Scikit-learn, Pandas

•**Accenture North America Data Analytics and Visualization Job Simulation** *Sep 2024*
Forage Online
– Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture
– Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.
– Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.
– Technology Used: Python, SQL, Excel

•**Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation** *Sep 2024*
Forage Online
– Completed a simulation involving creating data visualizations for Tata Consultancy Services.
– Prepared questions for a meeting with client senior leadership.
– Created visuals for data analysis to help executives with effective decision making.
– Technology Used: Python, SQL, Excel, Power BI

•**Walmart USA Advanced Software Engineering Virtual Experience Program** *Sep 2024*
Forage Online

– Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart.
– Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
– Designed a UML class diagram for a data processor, considering different operating modes and database connections.
– Technology Used: Python, SQL, Data Structure, UML

•**PwC Switzerland Power BI Job Simulation** *Sep 2024*
Forage Online
– Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualisation needs.
– Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.
– Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.
– Technology Used: Power BI

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS , Java
Libraries : Python Libraries, ReactJs ,Scikit-learn,TensorFlow,OpenCV
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: ReactJs,Django
Cloud/**Databases**:MongoDb, Relational Database(mySql)
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Areas of Interest: Web Design and Development,Machine Learning ,Deep Learning
Soft Skills: Problem Solving, Self-learning, Presentation

CERTIFICATES

–**Python Basics** Coursera *Mar 2022*
–**Data Collection and Processing with Python** Coursera *Nov 2022*
–**Python Functions, Files, and Dictionaries** Coursera *May 2022*
–**Supervised Machine Learning: Regression and Classification** Standford *May 2023*
–**C++ For C Programmers, Part A** UC SANTA CRUZ *Jun 2022*
–**Python Classes and Inheritance** Cousera *Jul 2023*
–**Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation** Forage *Sep 2024*
–**Accenture North America Data Analytics and Visualization Job Simulation** Forage *Sep 2024*
–**PwC Switzerland Power BI Job Simulation** Forage *Sep 2024*
–**Walmart USA Advanced Software Engineering Virtual Experience Program** Forage *Sep 2024*
– **Python And Django For Beginners Complete Course** Udemy *Sep 2024*
– **Python TensorFlow Programming with Coding Exercises** Udemy *Feb 2025*