

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)

Relevant 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

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