

Sai Nandan Babu Putti

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SKILLS

Language : C/C++, Python, JavaScript, Java, Dart, HTML, CSS

Frameworks : React, Node.js, Bootstrap, Flutter, Provider, NumPy, Pandas, Matplotlib

DataBases : MySQL, Google FireBase

Tools : Git/GitHub, VS Code, Jupyter Notebook, Power BI, MS Excel, Figma

Academic Coursework : Data structures and Algorithms, Object-Oriented-Programming, DBMS

EDUCATION

B.Tech in CSE | Usha Rama College of Engineering and Technology, Ganavaram **Feb 2021 – Jun 2024**
CGPA: 8.32/10

Intermediate (MPC) | Narayana Junior College, Gudiavda **Jun 2018 – Mar 2020**
CGPA: 9.28/10

EXPERIENCE

Mobile App Developer Flutter Intern, KnowGo **Sep 2024 – Dec 2024**

- Contributed to the development of the dynamic LocalMate application using Flutter and Dart, offering real-time local services such as food delivery, tourism, and appointment booking.
- Achieved a 40% improvement in app performance by implementing state management techniques and packages like Provider.
- Resolved critical routing stack overflow issues by preventing duplicate route instances on the stack through custom logic and advanced navigation techniques.
- Designed and implemented custom widgets to ensure code reusability and maintain a lightweight application architecture.

PROJECTS

Predicting CO2 Emissions from Fuel Vehicles (*Machine Learning & Python*)

- Developed a robust machine learning model to predict CO2 emissions from fuel vehicles without relying on external devices.
- Reduced the prediction error rate by 5%, enhancing the model's accuracy by implementing innovative Clustered Regression techniques, combining K-Means clustering and Linear Regression algorithms.
- Technologies Used: Python, NumPy, Pandas, Sklearn, Matplotlib, Jupyter notebook. ([Project Link](#))

Voter Turnout Analysis (*Python-BeautifulSoup & Power BI*)

- Developed a Python script to automated the extraction of election results for all Indian states from Wikipedia into structured Excel reports using Python.
- Analyzed voter turnout data in Power BI to uncover patterns and insights.
- Reduced manual data entry efforts by 99% and improved data accuracy by parsing tables with BeautifulSoup and Pandas. ([Project Link](#))

Online Groceries Delivery App (*Flutter & Dart*)

- Developing a responsive, cross-platform Flutter application to bridge the gap between buyers and local vendors for efficient delivery of essential groceries and goods in rural and urban areas.
- Reduced onboarding time by 75%, onboarding vendors and delivery agents within 1 minute.
- Integrated Geolocator for real-time order tracking and used Provider for state management, incorporated technologies like Firebase, Permissions Handler, and Local Storage for a smooth, scalable app experience.. ([Project Link](#))

CERTIFICATIONS

- Introduction to Data Science in Python
- Machine Learning with Python