PRANAV NARKHEDE

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EDUCATION

K J SOMAIYA INSTITUTE OF TECHNOLOGY Mumbai
Bachelor of Technology, Artificial Intelligence and Data Science 2026
ORION CBSE ENGLISH MEDIUM SCHOOL Jalgaon

WORK EXPERIENCE

S4DS, KSJIT Chapter, *App Development Intern*
- Gained hands on expertise android app development using flutter framework and firebase database, collaborated on various in-house projects which utilized technologies such as Rest Api, Firebase database and developed full-fledged applications

New Leap Labs, *Iot Intern*
- Worked on various IoT products, focusing on design and fabrication using ANSYS software.
- Gained experience in ground station communication and Learned about the integration and application of IoT technologies.

Godavari Bio Refineries, *App Developer and Data Analyst*
- Built a mobile app for Supervisors to map village plots, view farmers' plots in real time, and sync data with the factory. Integrated an AI model in QGIS for automated plot detection and coordinate mapping .
- Managed backend development with Django, deployed on AWS, and launched the app on the Play Store. Play Store Link

PROJECTS

FontFusion FontFusion
- Developed Generative AI model that generates new fonts by combining two fonts using **Generative Adversarial Network** and **Variational autoencoders** models trained on google Font dataset,
- Flutter Application was created and a Backend server was created with Django, using API-based connections to handle requests and responses.
- Key Features: Generation of all letters using one input, Real-time font previews, user-friendly interface, seamless cross-platform performance.

Neerja Repository
- Neerja is a human trafficking detection prevention and support system consisting of a AI model, Flutter App and a Website
- Trained a **MobileNet** and a **BiLSTM** Model for detecting Suspicious activities like violence, kidnapping or any other crime on a dataset of **2000 videos** and achieved accuracy of **95**%.
- Developed a website and Mobile application using flutter which contains safety features such as instant location sharing sos button reporting a incident and a help support Chat bot.

Mimic AI Repository
- Trained an **encoder-synthesizer-vocoder** pipeline using **Tacotron** and **WaveRNN** to capture and clone voice
- Enabled users to input/record audio and convert dialogue into different text while retaining the original voice's tone and emotion via a web interface made using django

Paletos Restaurent Repository
- Designed an **MLOps pipeline** for a network of restaurants, processing over **30 CSV files with 2 million rows each** of real, unstructured sales and inventory data handling universal data ingestion and preprocessing.
- Trained an **ARIMA** model for accurate sales prediction and forecasting, using **metric-driven development** and a feedback mechanism to enhance model accuracy as live data is processed.
- **Key Features:** Predicts total and item-specific sales, including festival-based demand trends, and detects anomalies (e.g., potential theft or unpaid transactions) through a user-friendly web interface for instant data analysis and visualization..

SKILLS

Languages: C, Python, HTML, CSS, Java
Libraries: NumPy, Pandas, Matplotlib, OpenCV, AR Core, TensorFlow, Sci-kit, PyTorch
Database: MySQL, Firebase
Frameworks & Technologies: Flutter , Django, APIs, Internet of Things (IoT), Flask, AWS, Oracle, MLOps

ACHIEVEMENTS

- **Letter of Appreciation,** *Received LOA for my contribution in Belief Sat 0 satellite which was launched in collaboration with ISRO*
- **Hackathon,**
  1. *Winner at Code Oddessy Hackathon at KJ Somaiya Institute Of Technology* -*October 2024*
  2. *2nd Runner Up in Need for code Hackathon at Thadomal Shahani college of engineering* -*August 2024*
  3. *Runner Up in Project Development Boot Camp organized by GDCS KJSIT* -*February 2023*

EXTRACURRICULAR ACTIVITIES

VOLUNTEER, *National Service Scheme, KJSIT*
- Participated in social initiatives like healthcare promotion, and participated in a week-long NSS camp for social upliftment.