Ukant Jadia

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MACHINE LEARNING

Highly motivated Machine learning Fresher, proficient in **Python**, and eager to learn cutting-edge technology. Skilled in **data processing**, **statistical analysis**, and **version control** (Git). I am actively searching for opportunities to make significant contributions to a team and further my career development under expert guidance.

TECHNICAL SKILLS

Languages	:	Python, C/C++, Shell, Dart, Java
Frameworks	:	TensorFlow, Flask, PyTorch, Scikit-learn
Databases	:	MySQL, SQL, Firestore
Tools/Plateform	:	Docker, Linux, Git, MLFlow
Miscellaneous	:	GCP, Power BI

EXPERIENCE

SWE Intern
Cognus Technology
May 2023 – August 2023
Udaipur, Rajasthan

- Contributed to live project **Gradding** using **Flutter**, **Dart**, and Figma.
- Designed intuitive on-boarding with **questionnaires** and document uploads, **handling return** cases seamlessly.
- Conducted in-depth market research on competing applications, analyzing **features** and identifying **gaps** to streamline on-boarding app development by **25%**.

EDUCATION

Sir Padampat Singhania University
Bachelor of Technology in Computer Science(AI-ML) GPA: 7.538
Udaipur, Rajasthan
October 2020 – May 2024

PROJECTS

ECG Analysis using Deep learning - Research Project *Python, TensorFlow, Wfdb, ECG*

- Designed CNN model architecture with accuracy of **80%** for classifying raw 12 lead ECG Statements.
- Solved class unbalancing with **SWT(Stationary Wavelet Transformation)** for augmentation the minor ECG classes
- Used **PTB-XL**(v0.3) ECG dataset, consist of **21K+** records taken from **18K+** patients for 10 seconds.

Federated Learning - Research Internship Project *Python, TensorFlow Federated Framework, PyTorch*

- Conducted in-depth **comparative analysis** of centralized Machine Learning and Federated Learning for the detection of fraud in transaction.
- Utilizes **TensorFlow Federated (TFF)** Framework used to build and simulate the Federated Learning system.
- Implemented TFF **secure aggregation** and **differential privacy** for protecting data and model aggregation during training.

More Projects

ACHIEVEMENTS

Silver Medalist - Coding Hackathon, 2023. Certificate

Silver Medalist - All India IEEE Ideathone,2021. News

Gold Medalist - All India IEEE SPSU Ideathone,2020. News

Automate the Boring Stuff with Python Programming by Al Sweigart - on Udemy. Certificate

Docker Essentials - By IBM. Certificate

Data Science Training - on Internshala. Certificate

ACTIVITIES

Google Cloud Skill Boost: Career Readiness - Associate Cloud Engineer Path. Certificate Credly

Exploring Federated Learning as part of my International Research Internship. Certificate

Writing research paper on my Bloom Taxonomy Level Classification Project