



Contact

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Academics

- Woxsen University | Hyderabad, Telangana**
2021 - 2025 | **B.Tech CSE**
- Narayana College | Hyderabad, Telangana**
2019 - 2021 | **Intermediate MPC**
- Paramita High School | Karimnagar, Telangana**
2015 - 2019 | **State Board**

Skills

- Programming Languages:** Python, Java (Object Oriented Programming), HTML/CSS, JavaScript.
- Database Management:** SQL, MongoDB.
- Version Control:** Git
- Data Handling and Analysis:** Pandas, NumPy, Data Visualisation tools (Seaborn, Matplotlib).
- Machine Learning (ML) and Deep Learning (DL):** ML Models, DL models, OpenCV (Frameworks: TensorFlow, PyTorch, Keras), OCR, OpenCV.
- Generative AI:** Large Language Models, Tokenization, Embeddings.

Sunke Durgaprasad

B.Tech - Computer Science and Engineering

Synopsis

Motivated engineer with a strong focus on Data Engineering and Artificial Intelligence/Machine Learning. Skilled in Python, Object-Oriented Programming (OOP), Machine Learning, Deep Learning, Computer Vision, and Natural Language Processing (NLP). Seeking opportunities to apply technical expertise and drive impactful solutions in a challenging and growth-oriented role.

Experience

Keenai Global | Role: Product Engineer Intern

On-site (Bangalore, Karnataka) | Oct 2024 - Jan 2025 | Duration: 4 Months

- Developed a system to extract tables from multi-page Bank/Custodian PDFs stored in an S3 bucket using AWS Textract, ensuring accurate data extraction across multiple bank formats. The processed data was structured into a data frame and pushed to the database.
- Automated Time-Weighted Rate of Return (TWRR) calculation for trade files at different levels (account, portfolio, and position), improving efficiency in financial reporting.
- Integrated an API to fetch Mutual Fund Data based on ISIN (International Securities Identification Number) for specific dates and stored the results in a structured data frame.
- Consolidated multiple scripts used for extracting data from different banks (via SFTP or API) into a single, optimized script, enhancing automation and reducing complexity.
- Skills Developed:** Proficiency in Python and Clean Coding, AWS Textract, APIs, SFTP, Libraries: Pandas, NumPy, requests, pySFTP, SQLAlchemy for Databases, GitLab for version control, and Cross-Team Collaboration.

Projects

- Assistive Driving with LLMs**
Research | Contributors: 3
Utilized an Indian Traffic Dataset to extract temporal data (speed, distance of vehicles) and integrated it into prompts for the Gemini 1.5 Flash Model, assisting drivers in complex scenarios.
My Contributions: Led temporal data extraction, collaborated on YOLO v9 for object detection, and generated use cases for prompting.
Tech Stack: LLM, Data Preparation, Hybrid Prompting, YOLO, OpenCV, XML Parsing.
- Medical Image Analytics for Gastro Disease Diagnosis**
Research | Contributors: 5
Using deep learning techniques, classified gastric diseases from endoscopy scans, detected lesions, quantified their area, and built a Flask application to demonstrate these capabilities for improved diagnosis.
My Contributions: Performed CNN-2D and Attention U-Net, collaborated on Few-Shot Learning, Manual Annotation, and Flask Application.
Tech Stack: TensorFlow, PyTorch, PIL, NumPy, Matplotlib, Data Augmentation, Standardization, Annotations, Image Classification, Object Detection, Image Segmentation, Flask.
- Detecting Toxic Comments for Better Online Conversations**
Contributors: Solo
Classified comments into toxicity categories (toxicity, severe toxicity, obscenity, threats, insults, identity hate) using Bi-directional LSTM and BERT models on a Kaggle competition dataset. Developed a Gradio application to classify comments and display toxicity percentages among categories.
Tech stack: Natural Language Processing (NLP), Pandas, Numpy, Tensorflow, Tokenization, Embedding, Gradio.