

Sanidhya Singh

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EDUCATION

Medi-Caps University

B.Tech Information Technology

June 2023

CGPA: 8/10

SKILLS

Languages: Python

Tools: Dataiku, Matplotlib, FastAPI, VS Code, PyTorch, Jupyter Notebooks, MySQL

Libraries: Pandas, NumPy, Matplotlib, Seaborn, CV2, Scikit-learn, PyTorch, NLTK, SQLAlchemy

PROJECTS

Bank Statement Analyser | *Computer Vision, OCR, Python, FastAPI, Pandas, GCP, VS Code*

June 2022

- Led as a Junior Resource in the development of a Bank Statement analyzer, employing OCR to extract tables from bank Pdf's.
- Utilized Pandas Data Frames for data manipulation and calculation of features as per client requirements.
- Contributed to the implementation of Computer Vision techniques to enhance OCR accuracy.

Security System | *OpenCV, NLP, YOLO, Python, Jetson Nano, Human Detection and Tracking*

October 2022

- Collaborated with team to develop a comprehensive security system using Jetson Nano.
- Integrated cameras with Jetson Nano for real-time human detection and tracking.
- Implemented sentiment analysis to discern emotions using NLP.
- Conducted feature extraction for in-depth analysis, contributing to a more robust security monitoring system.
- Demonstrated strong problem-solving skills in optimizing device performance and accuracy.

Face Recognition System | *FastAPI, MTCNN, Python, Numpy, PyTorch, Inception ResNet*

Jan 2023

- Individually designed and implemented a Face Recognition System using FastAPI for image capture.
- Integrated MTCNN for accurate face detection in images captured through the system.
- Developed Python code utilizing PyTorch and Inception ResNet to extract features and perform face matching.
- Successfully deployed and tested the system for employee identification within the company.

GCP Monitoring Automation and Data Engineering | *Python, GCP, Apache Beam*

March 2023

- Automated GCP monitoring tasks by developing Python scripts to generate daily Excel reports.
- Implemented Apache Beam pipelines for efficient data processing, streamlining data from GCP storage buckets.
- Employed various processing techniques to enhance data quality and accuracy in the generated reports.
- Demonstrated strong analytical and problem-solving skills in optimizing monitoring processes.

Log Analysis using AIMLOPS | *Dataiku, Python, S3, New Relic, Machine Learning, Anomaly Detection*

July 2023

- Collaborated on a client project, utilizing Dataiku for log analysis from diverse sources like S3 buckets and New Relic.
- Processed logs with Python, calculated outage time for channels hosted on DMG machines.
- Addressed dataset imbalance, handled missing values, and applied machine learning models for future outage prediction.
- Implemented anomaly detection techniques to enhance system reliability and minimize downtime.
- Effectively communicated findings and solutions to the client, contributing to improved system performance.

Resume Builder with AI Integration | *LLM, SQL, Python, FastAPI*

November 2023

- Led the development of a Resume Builder project utilizing NLP techniques and advanced algorithms.
- Analyzed user resumes and job descriptions using SQL and Python logic to extract key information.

- Implemented FastAPI for seamless integration, allowing users to generate enhanced resumes based on provided job descriptions.
- Incorporated advanced language models (LLM) to optimize content generation and improve resume quality.
- Successfully delivered a user-friendly tool for resume enhancement, enhancing job application effectiveness.

AI Avatar and Chatbot Development <i>NLP, AI, D-ID, Google Bard, MySQL</i>	January 2024-Present
<ul style="list-style-type: none">• Contributed to a client project focused on building an AI avatar and chatbot for website engagement.• Utilized third-party tools such as D-ID and Google Bard Key to enhance avatar and chatbot capabilities.• Implemented NLP techniques to enable the chatbot to answer user questions related to the client's website.• Ensured secure data storage by integrating MySQL into the system.	

EXPERIENCE

MoreYeahs Technologies <i>Junior Data Scientist</i>	Oct. 2022 – Present
<ul style="list-style-type: none">• Promoted from intern to Junior Data Scientist role, demonstrating strong analytical skills and commitment.• Contributed to the development of a Bank Statement Analyser, employing OCR and Pandas for data manipulation.• Led individual and collaborative projects involving Jetson Nano-based human detection, face recognition, and GCP monitoring automation.• Applied machine learning models to predict outages and enhanced system reliability in client projects.• Demonstrated proficiency in tools such as Python, FastAPI, MTCNN, PyTorch, Inception ResNet, Dataiku, and Apache Beam.	
Intern <i>MoreYeahs Technologies</i>	June 2022 – Sept. 2022
<ul style="list-style-type: none">• Engaged in hands-on experience with data science techniques and tools.• Contributed to the development of projects involving log analysis, predictive maintenance, and resume building.• Acquired practical skills in SQL, Python, FastAPI, and various machine learning frameworks.	

CERTIFICATIONS

Python for Data Science, AI & Development Grade Achieved: 77.83%	IBM
Developing Data Models with LookML Grade Achieved: 89.66%	Google Cloud
Analyzing and Visualizing Data in Looker Grade Achieved: 86.66%	Google Cloud
Exploring Data Transformation with Google Cloud Grade Achieved: 88.83%	Google Cloud