VIRESH AMBARDAR
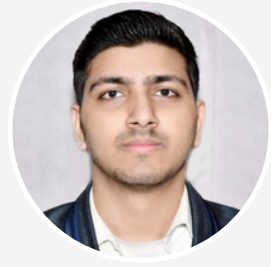
DATA ENGINEER

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WORK EXPERIENCE

- Joined Edgematics Solutions as Data Engineer from July 2023, where I focus on leveraging Big Data Technologies.
- Worked as an Associate Software Engineer at Ai Hawks Software Solutions, contributing to the development and enhancement of innovative software solutions.
- Completed my Postgraduate Diploma at Imarticus Learning. Engaged in Data Science and Machine Learning projects during my studies at Imarticus Learning.

JOB RESPONSIBILITIES

- EDGEMATICS SOLUTIONS

- Utilized Python to connect to Google BigQuery, extracted source data, transformed complex JSON structures into a flattened CSV format, and subsequently pushed the data to Vertica DB. Demonstrated hands-on experience with Google BigQuery authentication systems and credentials management.
- Participated in Purple Cube training and gained experience in creating pipelines for ETL tasks.

- AI HAWKS SOFTWARE SOLUTIONS

- Developed a squat count machine learning algorithm utilizing **Mediapipe** pose estimation and **OpenCV**, with the integration of **Tkinter** for the graphical user interface (GUI).
- Developed a software application using the **Django** framework, incorporating an admin panel for logging drivers and recording their travel duration. Implemented **SQL** as the main database to maintain a day-by-day record of their working hours. Integrated role-based access control to manage user permissions and ensure secure system interactions.
- A fully operational backend powered by Node.js, seamlessly integrated with MongoDB for database connectivity, and incorporating JWT for authentication between endpoints.

- Developed an automated software utilizing **Google API**, **Selenium**, and **Openpyxl** to scrape values from Google Sheets across various branch folders. The software then updates the main report sheet located in a different folder. Additionally, created a user-friendly GUI using **Tkinter** for conveniently updating the sheet code on a yearly basis.
- Created a transcription application that utilized **OpenAI's Whisper** as the backend and implemented a frontend using **Streamlit**.

- SKILLS

LANGUAGES
- Python
- SQL
- PySpark
- PySQL
- Scala
- NodeJS
- HTML/CSS
- Java Script

DATABASE
- MongoDB
- Snowflake
- MySQL
- AWS S3 Bucket
- PostgreSQL
- MariaDB
- VerticaDB

FRAMEWORK
- Django
- Hadoop
- Apache Spark
- Kafka
- GraphQL

EXPERTISE
- Machine Learning
- Deep Learning
- NLP
- PyTorch
- Tensorflow
- Keras

OTHER SKILLS
- GitHub and Git & BitBucket
- Data Governance
- Testing and Troubleshooting
- Documentation
- API & REST API Management
- ETL

TOOLS
- Talend
- Dataiku
- Alation
- Erwin
- PurpleCube

MANAGEMENT SKILLS
- Project Management
- Team Leadership/Mentorship
- Team Collaboration
- Time Management
- Continuous Learning
- Client Interaction

- EDUCATION

- I hold a Bachelor of Technology (BTech) degree from MBS College of Engineering and Technology, affiliated with Jammu University. My academic focus was in the field of Mechanical Engineering.
- Completed 12th grade with a focus on both Medical and Non-Medical subjects from the Central Board of Secondary Education (CBSE), at Kendriya Vidyalaya (KV).

- PERSONAL DEATILS

- Name   - Viresh Ambardar
- Father   - Vinod Ambardar
- DOB   - 05/03/1998
- Gender   - Male
- Nationality   - Indian