



# VIRESH AMBARDAR

AI Engineer

## My Profile

Dedicated Data Engineer with over 2 years of experience specializing in PySpark and Python. My professional journey is characterized by a strong emphasis on problem-solving and critical thinking, which have been instrumental in driving successful data-driven solutions. I am seeking an intermediate programmer position to further expand my expertise and explore various domains. In addition to my technical acumen, I possess excellent communication skills, teamwork capabilities, and adaptability.

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## Work Experience

### Edgematics Solutions

July 2023 - Current

#### Data Engineer

As a Data Engineer at Edgematics, I am engaged in multiple fields, serving both **Python** and **PySpark** requirements.

##### - BeyondOne

- Built efficient ETL pipelines using **PySpark** and **Spark SQL** to process and transform large datasets, ensuring high-quality data for business intelligence and analytics. This enabled accurate, data-driven decisions across the organization.
- Developed a robust logic for schema compliance checks using both **Python** and **PySpark**. This ensures that data adheres to predefined schemas, improving data consistency and reliability.

##### - Virgin Mobile

- **Python** code to connect with **Google BigQuery (GBQ)** and flatten key-value pairs within the data, preparing them for further transformation logic in the pipeline.

##### - CityFibre

- Leveraging python linked to **RavenDB**, a NoSQL database, to extract data and transform nested JSON into many tables. Also using **FastAPI**, extracted data in JSON format from multiple APIs and flattened it. Then uploaded all of these tables into **Snowflake** Data Warehouse.

### AI Hawks Software Solutions Pvt Ltd

December 2022 - June 2023

#### Associate Software Engineer

At AI Hawks Software Solutions Pvt Ltd, a startup environment allowed me to gain hands-on experience with multiple technologies.

- Additionally, I deployed an Automated system using Python and Google Drive Sheets that generated daily reports.
- Audio/Video Transcription Using **OpenAI Whisper** and **Streamlit** Framework.
- Utilized **Node.js** and **JavaScript** for backend development and **MongoDB** as a Database.
- Build an **ML Algorithm** with **Python** & **OpenCv** for counting squats.

- This diverse experience enhanced my skills in Machine Learning, backend development, and database management.

Sep 2022 - Nov 2022

## Data Science Intern

Corizo



- During my internship, I acquired valuable skills in **SQL**, **Machine Learning Algorithms**, **Python**, and **Exploratory Data Analysis**. I developed various Machine Learning models, encompassing both **supervised and unsupervised learning**.

Notable projects include:

- **House Price Prediction** using classical machine learning.
- **Flight Price Prediction** using classical machine learning and boosting methods.
- **Driver Drowsiness Detection**: Implemented a machine learning model using OpenCV to detect driver drowsiness.
- Conducted **sentiment analysis** using natural language processing techniques like **NLTK**, **Spacy** and **Scikit-Learn**.

## Technology Stack



## Education



Aug 2020 - July 2022

### Masters in Data Science

Christ (Deemed to be University)  
Lavase, Pune

Aug 2016 - Nov 2020

### B.Tech (Mechanical)

MBSCET, Jammu

April 2014 - March 2016

### 10+2, Medical + Maths

KV Bantalab, Jammu