

AVINASH K

Coimbatore



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linkedin



github

About

- Full Stack Developer Data Analyst skilled in Python, Django, SQL, and REST APIs, with strong expertise in data cleaning, ETL workflows, and automated visual analytics using Pandas and Power BI.

Education

Anna University

SNS College of Technology - 7.9 CGPA

2021 – 2025

Coimbatore, Tamil Nadu

Tamilnadu State Board

Sri Kalaivani matric higher secondary school,

12th – 88% ||10th–83%

2018 – 2021

Thiruvengadam, Tamil Nadu

Technical Skills

Programming Languages: Python [Basics, Advance, OOPS], JavaScript [Basics, Advance]

Web Technologies: HTML, CSS

Query Languages: SQL[DDL, DML, DCL, TCL, DQL]

Framework: Django

Libraries: NumPy, Pandas, Matplotlib, Seaborn, React

Data Visualization Tools: Power BI [ETL ,data modeling, DAX calculations], Tableau

Projects

Streamlit Titanic data | Python, Pandas

November 2025

- Automated exploratory data analysis on 1,300+ records using Python, Pandas, and Streamlit, generating interactive visual insights for survival trends.

Auto Data Explorer using Streamlit | Python, Pandas, Power BI

November 2025

- Built an Auto Data Explorer using Streamlit and Pandas to clean, analyze, and visualize datasets with 10,000+ rows, reducing manual analysis time by 40%.

Data Cleaning, Data Visualization | Pandas

October 2025

- Processed raw data to remove errors and created insightful visual dashboards for better understanding.

Vehicle access control with driving license verification | Raspberry Pi, OCR, Matlab

March 2025

- A system that verifies driving licenses using OCR and grants vehicle access automatically.

Advance Bridge Lifting | Microcontroller, Servo Motor, Water Level Sensor

April 2024

- An automated smart bridge system that lifts and sensor-based vehicle detection.

Internship

PYSPIDERS

July 2025 – Dec 2025

Python Full Stack with Data Analytics

Bangalore, Karnataka

- Built CRUD applications using Django, MySQL, and REST APIs.
- Created dashboards using Power BI with DAX calculations.
- Performed data cleaning and automation using Pandas.

Emglitz Technology

Jun 2022 – July 2022

Web Development

Coimbatore, Tamil Nadu

- Learned and worked with HTML and CSS to build responsive web pages

Certifications

- IBM - Data Visualization with Python
- IBM - Introduction to Cognos Analytics
- IBM - WebMethods API Management Basic
- Forage TATA - GenAI Powered Data Analytics
- FACEPREP - Cloud Computing -AWS
- NPTEL - Introduction to Industry 4.0 and Industrial Internet of Things