ANAND KUMAR R

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PROFILE

Aspiring **Python Fullstack Developer** with a strong foundation in **Python, Django, and full-stack de- velopment**. Skilled in software development, system design, RESTful API integration, and cloud fundamentals (AWS). Passionate about automation, optimization, and deploying scalable, secure, and efficient systems. Eager to contribute to impactful engineering projects, collaborate in cross-functional teams, and continuously learn new technologies.

TECHNICAL SKILLS

PYTHON:
- OOPS: Object class, Inheritance, Encapsulation, Abstraction, Polymorphism .
- Libraries: Numpy, Pandas, Matplotlib, Seaborn.

FRAMEWORKS/LIBRARIES:
- Django, ReactJS, HTML, CSS (TailwindCSS) .

SQL:
- **Query Writing & Data Retrieval:** Writing SELECT statement to extract data, filtering data using WHERE, BETWEEN, LIKE, IN, String with order by, limit.
- **Joins & Relationship:** INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL OUTER JOIN, CROSS JOIN.
- **Aggregation & grouping:** GROUP BY, HAVING, COUNT, SUM, AVG, MIN, MAX, Subqueries.
- **Data Cleaning & transformations:**NULL handling (IS NULL, IF NULL),String and date functions ,trim (),Left().

CONCEPTS:
- RESTful APIs, Authentication & Authorization, MVC Architecture, Basic Cloud Deployment (AWS), Basics of AI & Data Science.

TOOLS/PLATFORMS:
- GitHub, VS Code, Jupyter Notebook.

SOFT SKILLS

- **Team Collaboration**
- **Communication Skills**
- **Problem Solving**

PROJECTS

- **Medical Insurance Cost Prediction**

    Built a machine learning model in Python to predict medical insurance charges using linear regression. The project involved data preprocessing, feature selection, and exploratory data analysis to understand key cost drivers such as age, BMI, smoking status, and region. Achieved accurate predictions by training and evaluating the model using metrics like R^2 score and Mean Absolute Error. Demonstrated practical application of regression techniques in healthcare cost estimation.

- **E-commerce The Story Portal E-Book**

    Developed a responsive e-book website using HTML, CSS, and JavaScript. The site features a clean user interface with interactive elements like search,and smooth navigation. Focused on front-end design, performance optimization, and user experience.

- **Portfolio Website**
  Designed and developed a responsive personal portfolio using **HTML, CSS, JavaScript** to showcase projects, skills, and achievements.

CERTIFICATIONS

- **Python Full Stack Development (Besant Technologies Velachery)**

- **Introduction to Front-End Development – Meta**

- **Completed NPTEL Online Certification Business Fundamentals for Entrepreneurs (Part 1: Internal Operations) as topper and in Elite Catagory (Aug - Sep 2024)**

EDUCATION

		2022-2025
Bachelor of business administration (BBA)		
Jeppiaar college of arts and science, Padur	cgpa:75.60%	
Higher Secondary (HSC)		2021-2022
Government higher secondary school, Sholinganallur	60.00%	
Secondary (SSLC)		2019-2020
Government higher secondary school, Sholinganallur	70.00%	

AREAS OF INTEREST

Web Development — System Engineering — Real-Time Web Applications — Cloud Deployment