SHREEVARSHA S

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TECHNICAL SKILLS

- **Programming Languages:** Python

- **Data Analysis & Visualization:** NumPy, Pandas, Matplotlib, Seaborn, Power BI, Dashboard Development, Data Modeling

- **Machine Learning & Deep Learning:** Clustering (K-Means), Neural Networks, CNN, RNN

- **Statistics & Probability:** Descriptive & Inferential Statistics, Probability Distributions, Sampling, Hypothesis Testing, Correlation Analysis

EXPERIENCE

Data science Intern   Sep 2025 - Present
VCODEZ   *Chennai, Tamilnadu*

- Engaged in hands-on training in **Python programming** and foundational **data science** techniques, working with real datasets under the guidance of senior engineers.

- Performed **data inspection, data cleaning, and exploratory data analysis (EDA)** using Pandas, NumPy, Matplotlib, and Seaborn to extract insights and understand data patterns.

- Completed a mini analysis task by **cleaning and exploring a laptop dataset**, improving data quality and identifying useful relationships for practice-based learning.

- Strengthened understanding of **data science workflows**, visualization, and analytical reporting required in real-world data projects.

- Currently learning and applying **Machine Learning, Statistics, and Probability** to build strong analytical and modeling skills.

PROJECTS

Laptop Dataset Analysis Using Python & EDA: Nov'25

- Performed complete **data inspection, cleaning, and EDA** on laptop dataset using **Python, Pandas, NumPy, and Seaborn** to understand product specifications and pricing relationships.

- Identified key pricing factors through **correlation analysis, heatmaps, scatterplots, and pairplots**, highlighting the influence of **RAM, processor type, storage capacity, and brand**.

- Handled missing values, corrected inconsistent entries, standardized categorical fields, and ensured dataset integrity for accurate analytical outcomes.

- Produced clear insights into market patterns and feature dependencies, supporting **data-driven evaluation of laptop performance and pricing trends.** (LINK)

Privacy-Focused IOT Health Monitoring with AES Encryption & Mobile Web: Apr'24

- Developed a **secure IoT health monitoring system** using **ESP32** and sensors for real-time health tracking.

- Implemented **AES-encrypted communication** with **Firebase & Ubidots**, enabling safe remote monitoring and automated alerts.

- Built a **mobile-responsive web interface** using **HTML, CSS, JavaScript** to provide secure access for patients and healthcare providers. (LINK)

Facial Recognition Attendance System: May'23

- Built a **contactless attendance system** using **Python** and **CNN (Convolutional Neural Networks)** with **OpenCV**.
- Achieved **98%** accuracy in real-time face detection, improving attendance automation and minimizing manual effort. (LINK)

CERTIFICATE

- **Python for Data Science (IBM):** Applied skills in data manipulation, visualization, and analysis using libraries like **Pandas, NumPy, and Matplotlib.** (certificate) Feb'25
- **TCS MasterCraft DataPlus Overview Course (TCSiON):** Gained proficiency in core data integration, data transformation, and data management concepts. (certificate) Dec'22
- **GenAI Powered Data Analytics Job Simulation (Forage - Tata):** Gained practical experience in AI-driven data analysis, predictive modeling, and risk assessment. Designed an AI-enabled collections strategy incorporating automation and ethical AI. (certificate) Aug'25
- **Excel Dashboard for Beginners (SKILLUP):** Developed skills in data analysis, reporting, and decision-making using Excel dashboards. (certificate) Sep'22

EDUCATION

Sri Sivasubramaniya Nadar College of Engineering Chennai, Tamilnadu
BE – Electronics Communication and Engineering, CGPA: 7.45 Aug 2021 – April 2025

Montfort Matriculation Higher Secondary School Tindivanam, Tamilnadu
Class 12, State Board of Tamilnadu; Cutoff: 84.83 June 2019 – March 2020

St. Joesph of Cluny Matriculation Higher Secondary School Tindivanam, Tamilnadu
Class 10, State Board of Tamilnadu; Cutoff: 77.60 June 2017 – March 2018