SNEHA VV

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Summary

A passionate data analyst and aspiring web developer with background in business and technology. I enjoy working with data, extracting insights, and creating impactful visualizations using Power BI, Python, SQL and Excel. I'm also exploring Web development to build interactive and user-friendly applications that blend data and technology seamlessly.

Technical Skills

Languages and Databases: Python, SQL, MySQL, PostgreSQL, HTML, CSS, JavaScript
Visualization Tool: Power BI, Advanced Excel
Other Skills: AWS, SDLC, Microsoft Word, Microsoft PowerPoint, ETL, AI

Soft Skills

Adaptability, Communication, Problem-Solving, Critical Thinking, Attention to Details

Experience

Edu Tantr Pvt Ltd   **July 2024 – Oct 2024**
Data Science Intern   *Bengaluru, India*

- Conducted a sequential pattern mining using Python to analyze frequent patterns in sequence databases.
- Implemented the SPADE algorithm, extracting 131,000+ frequent patterns at a minimum Support of 0.4, optimizing execution time by 14% and memory usage by 10%.
- Analyzed algorithm performance at different support thresholds, improving efficiency by 15%.
- Utilized Pandas and Matplotlib for data processing, visualizations, and improving data interpretation speed by 30%.
- Improved expertise in Data Analysis, Statistical evaluation, and Pattern recognition for decision-making.

Projects

Personal Portfolio Website / *HTML, CSS, JavaScript*   **March 2025**

- Developed a responsive and interactive personal portfolio website to showcase my projects, skills and contact details with an interactive user interface.
- Implemented a contact form for inquiries and CV download feature
- Optimized performance and smooth navigation.

Blinkit Business Analysis using Power BI / *KPIs, Power BI*   **Jan 2025 – Feb 2025**

- Built an interactive dashboard using Power BI to analyze Blinkit's business performance.
- Visualized KPI's like total sales, avg sales, no of items, and avg rating. Applied ETL to clean and transform sales data.
- Utilized DAX to calculate key performance metrics. improved decision-making by implement slicers and filters through reports.

Brewlytics: Interactive Excel Dashboard / *Excel, Data Modelling and Cleaning*   **Oct 2024 – Nov 2024**

- Developed an interactive Excel dashboard for coffee sales analysis, enhancing strategic decision-making with dynamic visualizations.
- Employed Advanced Excel functions (VLOOKUP, Pivot Tables) for in-depth data analysis and report creation, reducing manual work. Streamlined data modeling and cleaning processes, improving data organization.

Sequential Pattern Mining with SPADE / *Python, Data Analysis*   **July 2024 – Oct 2024**

- Applied SPADE algorithm to identify hidden patterns in sequential data.
- Conducted performance evaluation across varying support thresholds and Optimized execution time and memory usage
- Leveraged Pandas and Matplotlib for data handling and visualization.

Down Syndrome Detection using Deep CNN / *AI & Deep Learning*   **Jan 2024 – March 2024**

- Designed an AI based Image classification model using Deep CNN to detect Down Syndrome from facial images.
- Implemented a deep learning model using TensorFlow and PyTorch for early Down Syndrome Detection.
- Achieved 94% accuracy through hyperparameter tuning and feature extraction.
- Evaluated model efficiency using precision, recall, and F1-score. Expertise in deep learning, AI, Machine Learning and Image processing.

Education

Acharya Institute of Graduate Studies   **Nov 2022 – Dec 2024**
Master of Computer Application   *Bengaluru, Karnataka*
Relevant Coursework: MySQL, AWS, Unix
CGPA - 8.2

Kannur University   **July 2019 – May 2022**
Bachelor of Business Administration   *Kannur, Kerala*
Relevant Coursework: Microsoft Excel, Statistics, Accounting
CGPA - 8.6

Courses & Certifications

DevOps on AWS   **June 2024**
Amazon | Coursera

Python Programming Virtual Internship   **June 2024**
Coding Raja Technologies

Data Manipulation in Python with NumPy and Pandas   **May 2024**
Udemy

Career Essentials in Generative AI by Microsoft and LinkedIn   **April 2024**
LinkedIn Learning

Big Data Fundamentals   **February 2024**
Infosys

Red Hat Certified specialist in OpenShift Application Development   **February 2024**
Red Hat Academy

Japanese Endowed Course (JEC)   **February 2023**
CHG IT Consultancy Pvt Ltd