Navya B V

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PROFESSIONAL SUMMARY

Computer Science and Business Systems student with experience in data analytics, machine learning, and workflow automation. Built AI-driven systems and database-driven platforms focused on operational efficiency, predictive analysis, and real-time decision-making.

SKILLS

- **Programming:** Python, SQL, C, C++, Java, R
- **Data Analytics & Visualization:** Pandas, NumPy, Exploratory Data Analysis (EDA), Statistical Analysis, Data Cleaning, Matplotlib, Seaborn, Power BI, Microsoft Excel
- **Machine Learning:** Scikit-learn, Predictive Modeling, Classification, Regression
- **Tools & Platforms:** M S Excel, Power BI, Linux, MATLAB, GitHub, UiPath, Tableau
- **Database & Concepts:** DBMS, Workflow Automation, Robotic Process Automation (RPA)

EDUCATION

B.E. in Computer Science and Business Systems 2023 – 2027
Dayananda Sagar College of Engineering, Bengaluru
CGPA: 9.36/10.0

PROJECTS

AirLink: Autonomous Airspace Management System GitHub

- Built an **AI-powered airspace management platform** using Flask and Leaflet for real-time drone tracking, collision detection, and rerouting.
- Implemented a **machine learning-based route optimization engine**, improving flight path efficiency by **30%** and reducing simulated airspace congestion.
- Processed and monitored **real-time navigation data** for multiple drone paths, enabling predictive conflict resolution and improving operational reliability by **25%**.

Supply Chain Management System GitHub

- Developed a **database-driven supply chain platform** for inventory monitoring, order processing, and logistics coordination, improving workflow efficiency by **35%**.
- Optimized **SQL-based transaction workflows** to manage **500+ inventory and sales records** with real-time updates and inventory monitoring.
- Reduced manual monitoring effort by **40%** through centralized data management, improving reporting accuracy and operational visibility across supply chain activities.

InstaTrust: Trust Scoring Framework for Instagram-Based Sellers

- Designed a **fraud detection and trust evaluation system** using Flask, Instaloader, and Google Safe Browsing API to assess Instagram seller credibility.
- Analyzed **6+ behavioral and profile-based signals** to generate automated trust scores on a **0–100 scale** for public seller accounts.
- Evaluated and classified **12+ seller profiles** into Trusted, Caution, and Suspicious categories, improving trust assessment consistency by **40%** through weighted risk analysis and multi-source data aggregation.

ACHIEVEMENTS & POSITIONS

MATLAB Hackathon-3rd Prize

- Secured **3rd place** among 50+ teams by developing a **machine learning-based mental health analysis model**.

Content Strategy & Outreach-Udbhava, CSBS Club and IEDC

- Managed content, communication, and outreach strategies for technical and innovation events, analyzing engagement metrics and participant feedback to improve participation by **40%** across events involving **150+ participants**.