Kesaverdhen A

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Results-driven Computer Science student specializing in Data Science with a strong foundation in networking, cybersecurity, and financial analytics. Experienced in network simulations, traffic analysis, and equity research, leveraging data-driven insights to optimize real-world applications. Skilled in Python, C++, SQL, and Cisco Packet Tracer, with hands-on expertise in network security, cryptographic algorithms, and data visualization. Adept at solving complex problems, collaborating in cross-functional teams, and implementing efficient solutions.

Technical skills

- **Programming Languages:** Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn), R (dplyr, ggplot2, caret), HTML, CSS, JavaScript
- **Database Technologies:** MySQL, PostgreSQL, MongoDB, Firebase
- **Tools & Software:** VS Code, Sublime Text, Chrome DevTools, Postman,
- **Data Analysis:** Data wrangling, Exploratory Data Analysis (EDA), feature engineering, statistical modeling
- **Data Visualization:** Matplotlib, Seaborn, Plotly, Tableau

Education

B.Tech in Computer Science with Specialization in Data Science Expected in August 2026
Vellore Institute of Technology, Vellore

Higher Secondary Certificate in PCM July 2022
ABSM TT, Puducherry, India

Certifications

- Data Science & Machine Learning Certification
- Certified Solutions Architect - Associate

Languages

English
Hindi
French

Software

Google data Studio
R studio
AWS
GIT

Projects

1. Traffic Pattern Analysis and Urban Planning
Tools: Python (Pandas, NumPy, Matplotlib, Scikit-learn, NetworkX)

- Analyzed traffic patterns using Dijkstra's algorithm and social information network analysis to predict congestion and suggest optimal routes.

2. Job Search Application
Tools: Python (Flask, Pandas), SQL, HTML/CSS, JavaScript

- Developed a job search platform with filtering, job application functionality, and email notifications, using Flask for backend and SQL for data storage.

3. Courier Tracking System
Tools: Python (Flask), JavaScript, MySQL, Google Maps API, HTML/CSS

- Built a real-time courier tracking system with Google Maps integration, role-based access, and email notifications for shipment updates.