

## Kalash Singh Rajput

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### Professional Summary

Detail-oriented and motivated Computer Science Engineering student (6th Semester) with a strong passion for Cybersecurity, AI/ML, and Data Analytics. Proficient in Python, with hands-on experience in building data analysis projects using Pandas and Matplotlib. Eager to apply strong foundational knowledge in Data Structures, Algorithms, and Networking to solve real-world problems and contribute to an innovative technical team during an internship.

### Education

**Bachelor of Technology in Computer Science & Engineering** Parul University, Vadodara, Gujarat | *Expected Graduation: May 2027*

- **Current Semester:** 6th
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Java Programming, Data Analytics & Visualization, Cybersecurity Basics.

### Technical Skills

- **Languages:** Python, Java, C, SQL (Basic)
- **Data Analytics & ML:** Pandas, NumPy, Matplotlib, Scikit-learn (Basic), Power BI (Basic)
- **Web Technologies:** HTML, CSS
- **Developer Tools:** Git, GitHub, Linux CLI, VS Code
- **Core Concepts:** Cybersecurity Principles, Machine Learning Concepts, Data Visualization, Object-Oriented Programming (OOP), Network Protocols (TCP/IP)

### Projects

#### **AI Agent for Expense Anomaly & Compliance | *Finnovate Hack 2025***

- Conceptualized and designed an AI-powered agent to detect fraudulent or non-compliant expense claims by leveraging machine learning.
- The proposed solution utilizes an **Isolation Forest algorithm** in Python to identify statistical anomalies in expense datasets, enhancing

internal cybersecurity.

- Engineered a data processing pipeline using **Pandas** for data cleaning and feature extraction to prepare data for the model.
- **Tech Stack:** Python, Pandas, Scikit-learn, Matplotlib.

#### **Data Analytics & Visualization Project**

- Performed end-to-end analysis on a complex dataset by cleaning, transforming, and modeling data using Python and advanced Excel functions.
- Developed interactive dashboards and visualizations with **Matplotlib** and **Power BI** to translate raw data into actionable business insights.
- Successfully identified key trends and patterns, presenting the findings in a clear and concise report.
- **Tech Stack:** Python, Pandas, NumPy, Matplotlib, Power BI, Excel.

#### **Portfolio Website**

- Built a fully responsive personal portfolio website from scratch to showcase technical projects and skills.
- Implemented a clean and modern UI using semantic **HTML5** and styled components with **CSS3**.
- Deployed the website using GitHub Pages, ensuring continuous availability.
- **Tech Stack:** HTML, CSS, Git, GitHub Pages.