Rachit Rawat

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Education

- **Graphic Era Hill University** — Dehradun, Uttrakhand
  Bachelor Of Technology in Computer Science — GPA: 7.9 — *Jul. 2022 – Jun. 2026*
- **Kendriya Vidhalaya** — Prayagraj, Uttar Pradesh
  Class 12th - C.B.S.E Board — Percentage : 76% — *Mar. 2021 – Jun. 2022*

Technical Skills

- **Languages**: C, C++, Java, JavaScript, Python, SQL
- **Technologies**: Data Visualization, HTML/CSS, SQL Databases, Flask, JDBC
- **Tools**: Git, GitHub, Visual Studio Code, Ubuntu, MySQL, Jupyter Notebook, CodeBlocks
- **Frameworks and Libraries**: TensorFlow, Pandas, NumPy, Scikit-learn, AWT and Swing

Projects

- **Data Mining for Automated Personality Classification — Sep 2024 - Nov 2024**: Created a data mining application using Python, with a web-based interface developed in HTML/CSS and a backend powered by Flask.
  - Developed a user-friendly frontend interface with HTML and CSS, enabling users to input personality-related data easily.
  - Utilized Flask to manage server-side operations and handle user interactions efficiently.
  - Implemented data mining techniques using Python libraries like Pandas, NumPy, and scikit-learn to analyze personality traits based on user input.
- **Banking Management System — Mar - Apr 2024**: Developed a comprehensive banking management system using Java, leveraging AWT, Swing, and JDBC to manage customer accounts and transactions.
  - Designed an interactive and user-friendly graphical user interface (GUI) with Java AWT and Swing.
  - Implemented core banking functionalities such as account signup, login, mini statement, and balance inquiry.
  - Utilized JDBC to integrate with a relational database, enabling data storage, retrieval, and manipulation of customer data.
  - Focused on data validation and error handling to ensure robust and secure banking operations.
- **Credit Card fraud Detection — Nov 2023**: Developed a machine learning model using Python libraries and Jupyter Notebook to detect fraudulent credit card transactions.
  - Implemented machine learning algorithms like Random Forest and Logistic Regression.
  - Used scikit-learn for model training, and performance evaluation, with a focus on improving accuracy and precision.
  - Visualized data distributions and model performance using Matplotlib and Seaborn to identify patterns.
  - Achieved 83% accuracy, indicating the model's effectiveness in detecting fraudulent activities.

Scholastic Achievements

- **Google Cybersecurity Certificate**: Earned a Google cybersecurity certificate through **Coursera**.
- **Coding Competition Finalist**: Finalist in an overnight coding competition during the second year, showcasing proficiency in **C++**.
- **PwC's Launchpad Program (Cyber Risk and Regulatory)**: Selected for PwC's Cyber Risk and Regulatory Launchpad Program 2025.