Raunak Verma

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SKILLS

- **Languages**:   C++, Python, R , Java .
- **Frameworks**:   Pandas, NumPy, Matplotlib, Seaborn
- **Tools/Platforms**:   RStudio, Tableau, Excel, MySQL.
- **Soft Skills**:   Problem-Solving Skills, Team Player, Project Management, Adaptability

PROJECTS

- **Mall Customer Segmentation**:   April – June 2024
  - Segmented customers based on purchasing power using Python, Matplotlib, and Seaborn.
  - Conducted Exploratory Data Analysis (EDA) to analyse behaviour, identify patterns, and visualize trends.
  - Provided data-driven insights for personalized marketing, improving targeting, retention, and engagement.
  - Tech: Python, Pandas, NumPy, Matplotlib, Seaborn.

- **Mobile-Controlled Bluetooth Car**   April – June 2024
  - Developed a Bluetooth-controlled robotic car using Arduino Uno and HC-05 module.
  - Integrated motor shield, battery, and robot chassis for movement control.
  - Established wireless connectivity via a mobile app for real-time navigation.
  - Components Used: Arduino Uno, Motor Shield, HC-05 Bluetooth Module, Battery, Robot Chassis.
  - Tech: Python, Pandas, NumPy, Matplotlib, Seaborn.

- **Password Generator**   April – June 2024
  - Developed a secure password generator using Python's random library.
  - Ensures strong passwords with a mix of letters, digits, and symbols (min. 12 characters).
  - Includes an interactive menu for user-friendly customization.
  - Tech Used: Python, Random library, String manipulation, Loops.

CERTIFICATIONS

- **Cloud Computing – NPTEL(Elite) |IIT Kharagpur**   July 2024
  Completed NPTEL's Cloud Computing course, gaining expertise in cloud architecture, virtualization, and security

- **Python, Data Science & Machine Learning – CipherSchools**   July 2024
  - Completed training in Python, data manipulation, EDA, and machine learning.
  - Hands-on experience with Pandas, NumPy, Matplotlib, and Scikit-learn.
  - Explored regression, classification, clustering, and model evaluation for AI applications.

CERTIFICATES

- **Supervised Machine Learning: Regression and Classification**   November 2024
  Coursera - https://coursera.org/verify/B2D8HADXRPAY
- **Data Analysis with Tableau**   November 2024
  Coursera - https://coursera.org/verify/XOO05FE2KD7E

ACHIEVEMENTS

- **Competitive Programming**
  Achieved Rank 4,552 / 25K in Code Chef Starter 150, demonstrating strong problem-solving and algorithmic skills.
- **Code Chef Achievement**
  Earned the Daily Streak - Gold Badge on Code Chef, showcasing consistency, dedication, and problem-solving skills in competitive programming.

EDUCATION

- **Lovely Professional University**   Punjab, India
  Bachelor of Technology - Computer Science and Engineering; CGPA: 7.11   *2022 - Present*

- **Sri Agrasen School**   Ramgarh, Jharkhand
  Intermediate; Percentage: 90.4%   *April 2021*

- **DAV Public School NTS Barkakana**   Ramgarh, Jharkhand
  Matriculation; Percentage: 89.4%   *April 2018*