Abhiranjan Kumar

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SKILLS SUMMARY

- **Languages**:   C++ (Intermediate), Python, SQL, R
- **Frameworks**:   NumPy, Pandas
- **Tools/Platforms**:   Tableau, Git, GitHub, Power Bi, Docker
- **CS Fundamentals**:   OOPS, DBMS, OS, Computer Networks, DSA

TRAINING

- **GeeksforGeeks – DSA (Self placed)**   Jun '24
  Summer Training
  - Completed an intensive self-paced training program focused on foundational and advanced programming concepts.
  - Gained expertise in C++ programming and core Object-Oriented Programming (OOP) principles.
  - Strengthened problem-solving skills by learning key Data Structures such as arrays, linked lists, stacks, queues, trees, and graphs.
  - Explored and implemented Dynamic Programming (DP) and Greedy Algorithms to solve real-world optimization problems.
  - Developed a strong understanding of algorithmic efficiency and coding best practices

PROJECTS

- **Placement Prediction** | **Tech**: R, Flexdashboard, dplyr, rpart, e1071   Nov '24
  - Developed an R-based dashboard to predict student placement status using Naive Bayes and Decision Tree models.
  - Preprocessed data by handling categorical variables and removing irrelevant column.
  - Split the dataset into training and testing sets to evaluate model performance.
  - Visualized the decision tree structure and displayed model evaluation metrics (confusion matrix, accuracy).
  - Added a personalized prediction feature for hypothetical student profiles.

- **Mobile Phone Market Analysis** | **Tech**: Data Visualization   Dec '24
  - Developed an interactive Tableau dashboard to analyze the smartphone market using a dataset of over 3,000 mobile phone models.
  - Conducted in-depth analysis of key factors such as customer ratings, pricing strategies, storage capacities, and brand performance.
  - Visualized insights like rating distributions, brand-level pricing trends, storage-price relationships, and color availability using dynamic charts (e.g., bar charts, tree maps, and scatter plots).
  - Enhanced decision-making for consumers and businesses by presenting actionable insights into market trends and customer preferences.

ACHIEVEMENTS

- **A Community Development Program (CDP) & Teaching Experience**   Jun '23

- **160 days of Code Challenge – GeeksforGeeks (GFG)**   Present

- **Solved 200+ problems on various coding platforms:**   Present
  GeeksForGeeks, LeetCode

CERTIFICATIONS

- DSA Self Placed – GeeksForGeeks   Jul '24

- Dynamic Programming, Greedy Algorithms – Coursera   Jan '24

EDUCATION

- **Lovely Professional University**   Punjab, India
  *Bachelor of Technology – Information Technology; **CGPA: 8.38***   *Since August 2022*
  ***Coursework:** Object Oriented Programming, Data Structures, DevOps, Databases*

- **Rajput Inter College Saran**   Saran, Bihar
  *Intermediate; **Percentage: 73.4%***   *April 2020 - March 2022*
  ***Coursework:** Physics, Chemistry, Mathematics*

- **Jyoti Central High School Ekma**   Ekma, Bihar
  *Matriculation; **Percentage: 70.6%***   *April 2010 - March 2020*