



PRABHAKAR VATS

SOFTWARE ENGINEER

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SUMMARY

Highly motivated and dedicated Computer Science Undergraduate with strong computer science fundamentals and programming languages Proficient in C++, Python, and Data analyst. A quick learner with excellent teamwork and communication abilities. Seeking an entry-level position to kickstart my career and be an asset to a dynamic team.

TECHNICAL SKILLS

Programming Languages:
C, C++, Python, R

Data Visualization:
Tableau, Power BI

Database & Tools:
MySQL, MS Excel, PowerPoint & Git Hub, VS Code, Eclipse, IntelliJ Idea

CERTIFICATIONS

- Data visualization with Tableau | Coursera | Feb'23
- C++ programming course | Cipher Schools | Jan'23
- DSA Self-paced Course | Geeksforgeeks | July'22

POWER SKILLS

- Friendly, and adaptable to working on any Team
- Make decisions primarily on values.
- Try new things often and be Creative
- Rational and Critical Thinking
- Productive to work on a different task.

EXTRACURRICULAR ACTIVITIES

- Member of NSS Awareness group | LPU | Oct'22-Present
- Bagged gold medal in 100m Sprint | Oct'20

TRAINING

Industrial Training in C++ and Data Structure and Algorithms Jun'23

Cipher Schools | Jalandhar, IN

Duration 4 weeks, score: 1048/1048 points

- Gained extensive knowledge of data structures like arrays, linked lists, stack, queues.
- Got proficiency in OOPs principles and their application in C++.
- Familiarity with C++ STL for utilizing pre-built data structures, algorithms, container classes, and data manipulation.
- Proficient in algorithm analysis and optimization techniques including time and space complexity analysis.

PROJECTS

Contacts Management System | C++ | SQLite Jun'23

- Designed an application to record Name, Phone no, address, and Email, added functionality to add a profile picture of the recipient.
- Used a Sorting algorithm like Merge Sort for Stability in the search.
- Used Hashed Table and linked list data structure for frequent insertion and deletion and efficient management of the contacts.
- Implemented CREATE READ UPDATE DELETE features in maintaining the Contacts.
- The application displays a list of information about contacts from the file where they are stored.
- Integrated SQLite database for making the application scalable.

Path Finding Algorithm Visualizer | Python Jan'23

- Developed a Python application for visualizing the A* and BFS pathfinding algorithms using the Tkinter GUI.
- The deque and Priority Queue data structure is used to implement breadth-first search (BFS) algorithm and A* algorithm.
- Included a feature-rich maze pathfinding visualizer to showcase algorithm effectiveness.
- Designed an intuitive interface with buttons, sliders, and canvas elements for visualization.

Covid-19 India Analysis | Tableau Nov'22

- Created interactive dashboards and visualizations like charts, graph plotting, and forecasting for various scenarios of COVID-19 data.
- Visualized the number of vaccinated individuals, vaccine distribution, coverage rates, and identifying populations that need increased vaccination efforts
- Implemented filters and actions to enable dynamic interactions between different visualizations and allow users to drill down into specific data points.
- Created calculated fields to preform custom calculations on COVID-19 data.

ACHIEVEMENTS

- 5 Star Rating in Problem Solving on Hacker Rank.
- Participated in Tech-a-thon (iNeuron) and got top 50 rank.
- 250+ questions on Programming.

EDUCATION

B.Tech. in Computer Science Aug'20 - Jul'24
Lovely Professional University | Phagwara, IN
CGPA 7.78

Higher Secondary Jun'18 - Mar'20
M.R.J.D Inter School | Begusarai, IN
Percentage: 79.8%