DARPAN CHAUHAN

Aspiring Software Engineer

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Phagwara, Punjab

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SUMMARY

As an aspiring software engineer, I am passionate about developing innovative solutions to complex problems through efficient and scalable software design. With a strong foundation in programming, algorithms, and data structures, I have honed my skills in writing clean and maintainable code. My background in statics and machine learning has also equipped me with the ability to understand and implement data-driven solutions .

TECHNICAL SKILLS

Programming languages: Java, Python , C .
Front end : HTML and CSS
Machine learning.
Data Management: MySQL, excel, Power BI.

CERTIFICATIONS

Java development course
(Simple programming)   Jul `22

Java with DSA |
 Apna college | Jul '23

POWER SKILLS

- Comfortable working in a team of known individuals.
- Imaginative and empathetic.
- Inquisitively solves problems.
- Works independently in a structured manner.

LANGUAGES

- English
- Hindi

PROJECTS

Suduko solver using Java (N-Queens Problem)   Jul

- **Domain :** Description: Developed a Sudoku solver utilizing backtracking algorithms similar to the N-Queens problem to efficiently solve Sudoku puzzles.
- Implemented recursive algorithms to explore possible solutions and backtrack when constraints were violated.
- Optimized the solver for performance, ensuring rapid solution times even for complex puzzles.

ATM Interface using Java

- **Domain :** Description: Developed a Sudoku solver utilizing backtracking algorithms similar to the N-Queens problem to efficiently solve Sudoku puzzles.
- Implemented recursive algorithms to explore possible solutions and backtrack when constraints were violated.

Violence Detection using Machine Learning

- **Domain :** Machine Learning and Computer Vision **.** Developed a machine learning model to detect violent behavior in video footage to enhance security systems.
- Employed advanced classification algorithms such as Convolutional Neural Networks (CNNs) for image and video analysis.
- Implemented real-time detection capabilities to ensure prompt responses to potential threats.

ACHIEVEMENTS

4 Star Rating in Java on HackerRank

EDUCATION

B.Tech. in Computer Science   Aug '20
Lovely Professional University |Phagwara, IN
CGPA : 6.6

Higher Secondary   May '18 – Mar '19
Blue Bird Sen Sec School| Algarh, IN
Percentage : 81