

# BHAVAY SINGLA

+91 78078-01178 ◇ New Delhi, IN ◇ [bhavaysingla.com](https://bhavaysingla.com)

## EDUCATION

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**Bachelor of Computer Science**, Delhi Technological University Expected 2027  
CGPA : 8.85

**Intermediate (Class XII)**, Government Model Senior Secondary School, Chandigarh (CBSE) 2022 - 2023  
Percentage : 94%

**Matriculate (Class X)**, St. Stephens School, Chandigarh (ICSE) 2012 - 2021  
Percentage : 95%

## SKILLS

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**Computer Languages** C, C++, Git, Java, Python, HTML, CSS, JavaScript  
**Software Packages** VS Code, Jupyter Notebooks, React JS, Tailwind CSS

## EXPERIENCE

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**Research** August 2024  
Dr. Indu Singh DTU, Delhi

- Achieved growth for Machine Learning and Artificial Intelligence involving various optimization techniques and Meta-heuristic algorithms.
- Learning famous algorithms such as Spider Wasp Optimization, Particle Swarm Optimization, Gray Wolf Optimization, and various other Meta-heuristic algorithms of various categories.
- Aim to implement Modified or hybrid versions of such algorithms in a real life scenario.

## ACHIEVEMENTS

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- JEE Advance Rank: 2795
- JEE Mains Rank: 4662
- Solved 150+ LeetCode challenges, strengthening expertise in data structures, algorithms, and problem-solving techniques, with a LeetCode rating of 1512. ([singla19](#))

## PROJECTS

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**Parkinson's Disease UPDRS Prediction Model** Built a regression model using XGBoost to predict UPDRS scores from speech data. The project used the UCI Parkinson's Telemonitoring dataset and included data cleaning, feature selection, model training, and evaluation to improve prediction accuracy.

**Movie Recommendation System** Developed a Python-based movie recommendation system that uses TF-IDF vectorization and cosine similarity to recommend movies based on genres, keywords, taglines, cast, and directors. The system allows users to input a movie title and suggests closely matched films using textual similarity.

**Teacher Dashboard** Developed a user-friendly teacher dashboard inspired by Google Classroom using React. The dashboard helps teachers manage their classes and assignments easily. Key features include a modern look with Tailwind CSS, the ability to share study materials, and view class details and student lists, making it a practical tool for effective teaching.

## EXTRA-CURRICULAR ACTIVITIES

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- Member of National Cadet Corps (NCC - DTU), developed leadership skills through training and participation in various events as a Cadet.
- Member of Google Developer Students Club (GDSC - DTU), Actively participated in study jams and workshops focused on Google Cloud technologies.