

AARYAMAN BHATTACHARYA

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TECHNICAL SKILLS

- Languages: C++, Java, Python
- Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- Basic knowledge of SQL for working on databases.

PROJECT: ML Model to predict diabetes in patients.

- **Project Overview:** Developed a machine learning model to predict diabetes based on patient data using the Support Vector Machine (SVM) algorithm.
- **Tools and Libraries:** Utilized Python with libraries like pandas for data handling, scikit-learn for model development, and NumPy for numerical computations.
- **Key Steps:**
 - Pre-processed the dataset, including scaling features using StandardScaler and splitting data into training and test sets.
 - Trained an SVM classifier for binary classification (diabetes vs. no diabetes).
 - Evaluated the model using metrics like accuracy.
- **Outcome:** Achieved a ~78% accuracy return model.

DATA STRUCTURES AND ALGORITHMS

- Gained a thorough understanding of all standard data-structures and algorithms including graphs and trees, dynamic programming, binary search, linked lists.
- Solved and practiced numerous problems related to DSA on sites like leetcode, code-forces.
- Rated Specialist (1400+) on code-forces with close to 400 problems solved on the platform.
- Achieved a rank of 664 in code-forces round 993 among ~ 39000 participants.

EDUCATION

Sl. No.	Institution	Degree/Board	Percent/CGPA	Year of Passing
1	B.I.T Mesra	B. Tech (CSE)	8.2	Expected 2026
2	M.K.V.V.I.V	CBSE 12th	94.6	2022
3	R.N.Podar	CBSE 10th	94.2	2020