

# **AVIGHYAN CHAKRABORTY**

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**GitHub:** <https://github.com/avighyan07>

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## **Skills**

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**Languages:** C++, Python, C, JavaScript, HTML, CSS, SQL

**Technologies & Tools:** Flask, ReactJS, NumPy, Pandas, Scikit-learn, OpenCV, Matplotlib, Power BI

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## **Education**

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**Indian Institute of Information Technology, Kalyani** (2022-2026)

Bachelor of Technology in Computer Science and Engineering — **CGPA: 9.05/10**

**Kalyani Central Model High School, Kalyani**

Higher Secondary Education — **Percentage: 89%**

**Springdale High School, Kalyani**

Secondary Education — **Percentage: 93%**

### **Relevant Coursework:**

- Data Structures & Algorithms
  - Operating Systems
  - Object-Oriented Programming
  - Machine Learning & Deep Learning
  - Computer Networks
  - Artificial Intelligence
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### **Coding Proficiency:**

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Solved 350+ DSA problems on **LeetCode**

<https://leetcode.com/u/avighyanchak/>

Solved 300+ DSA problems on **GeeksforGeeks**

<https://www.geeksforgeeks.org/user/avi0717/>

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## **Project Work**

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**Cricket Insights - AI-Powered Match Prediction & Player Analytics:** *Developed a web-based Cricket Insights platform that provides AI-driven match predictions, player analytics, and interactive cricket trivia. Integrated machine learning models to analyze historical match data and predict outcomes. Built a user-friendly interface with Flask and SQLAlchemy for user authentication and data management. Enhanced user engagement with insights on players and teams, along with interactive quizzes..*

**Human Disease Prediction:** *A comprehensive disease prediction system designed to detect health conditions such as Pneumonia, Kidney disease, and Diabetes. The system leverages both structured patient information (such as age, symptoms, and health parameters) and medical images (like X-rays or scans) to deliver accurate predictions*

**Plant Disease Prediction:** *Developed an image analysis system using OpenCV to process and segment images of diseased apple and mango leaves. The system identifies diseased areas by analyzing pixel details and calculates the disease percentage. Integrated a machine learning model to classify the type of disease based on extracted features, achieving accurate disease detection and classification*

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## **Certificates**

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- . Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation
  - . Complete Machine Learning & Data Science Program by GeeksforGeeks
  - . AlgoUniversity Bootcamp Completion Certificate
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