Abhik Ganguly

BE Information Technology
Under Graduate
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🌐 Portfolio
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EDUCATION

- **Jadavpur University** *2021-2025*
  BE In Information Technology CGPA: **8.20**/10

- **Singur Mahamaya High School** *2020*
  West Bengal Council of Higher Secondary Education, West Bengal Percentage: **96.6**

- **Singur Mahamaya High School** *2018*
  West Bengal Board of Secondary Education, West Bengal Percentage: **89.6**

PERSONAL PROJECTS

- **Quick Chat**
  Developed a real-time chat application using MERN(MongoDB, Express.js, React.js, Node.js) stack.

  – Implemented user search functionality to find and connect with other users.
  – Enabled creation of both one-to-one chat sessions and group chats with multiple participants.
  – Implemented WebSocket communication for real-time messaging using Socket.IO.
  – Technologies used: MongoDB, Express.js, React.js, Node.js, Socket.IO, Material UI, JWT

- **Quiz Master**
  Developed an interactive quiz application for creating, managing, and participating in quizzes.

  – Enabled users to create quizzes, share quiz codes, and join quizzes, with functionalities to review questions and answers, and view created quizzes.
  – Implemented features for submitting feedback, rating quizzes, and viewing leaderboard results.
  – Technologies used: MongoDB, Express.js, React.js, Node.js, Tailwind CSS, JWT

UNDERGRADUATE RESEARCHER

- **DANN: A Deep Attention Neural Network for Automatic Fruit Image Classification**
  Under Prof Pawan Kumar Singh with contribution from Rounak Chakraborty and Dipayan Ghosh

  – Achieved accuracies of 98.38%, 87.3%, and 98% on the Fruits-360, FIDS30, and FRUITSGB datasets respectively.
  – Datasets used: FRUITS360 , FIDS30, FRUITSGB

- **Performance Comparison of Different Machine Learning Classifiers for Diabetes Prediction**
  Under Prof Pawan Kumar Singh with contribution from Rounak Chakraborty and Dipayan Ghosh

  – Developed an ensemble model with a majority voting algorithm that improved detection accuracy to 86%.
  – Datasets used: Pima Indian Dataset

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Java **Developer Tools**: Git, Github, Visual Studio Code **Technologies**: HTML, CSS, JavaScript, ReactJS, NextJS, NodeJS, ExpressJS **Databases**: MySQL, MongoDB **Soft Skills**: Problem-solving, Teamwork **Coursework**: Data Structures and Algorithms, Object-Oriented Programming, Database Management System, Graph Theory, Machine Learning

PROFILE LINKS

- **LeetCode:** AbhikLeetcode

- **Github :** AbhikGithub

- **CodeChef:** AbhikCodechef

ACHIEVEMENTS

- Ranked **381** at **WBJEE out of 0.1 million candidates**

- **98.9 percentile in JEE Main**

- **1000+** questions solved on **Leetcode**

- **Knight** in Leetcode (Highest rating of **2107**) Daily Streak of max 100 Days

- Highest rating of **1684** and **3*** at **CodeChef**