

BHASKAR ACHARJEE

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in [Linkedin](#)

🐙 [Github](#)

Be [Behance](#)

📁 [Portfolio](#)

🎓 Education

Jalpaiguri Government Engineering College

Bachelor of Technology | Electronics and Communication | CGPA: 8.95

June 2020 – Present

Jalpaiguri, West Bengal

Purba Barasat Adarsha Bidyapeeth

Higher Secondary Education (WBCHSE) | Percentage: 88.40%

2017 – 2019

Barasat, West Bengal

Purba Barasat Adarsha Bidyapeeth

Secondary Education (WBBSE) | Percentage: 91.57%

2015 – 2017

Barasat, West Bengal

Projects

PixelCraft | Python, Tkinter, Pillow | 📄

June 2023

- PixelCraft is a powerful image editing project built using the PIL library. With its intuitive interface and a range of features, it allows users to creatively transform their images. From applying filters like blur, grayscale, and sharpen, to using canvas effects, PixelCraft empowers users to unleash their artistic vision.

Morse Enigma & Sudoku Solver | Pygame, winsound, pyttax3 | 📄

July 2023

- Developed a communication system using Morse code encryption in Python. Incorporated the principles of the Enigma machine to add an additional layer of encryption. Ensured secure transmission of messages with rotating cipher wheels.
- Implemented an algorithm to solve Sudoku puzzles using Python. Utilized logical deductions and backtracking techniques to iteratively fill in the missing numbers and find valid solutions.

Personal Portfolio Website | HTML, CSS, JavaScript | 📄

April 2023

- Designed and developed a personal portfolio website using HTML, CSS, and JavaScript. Showcased my projects, skills, and achievements in an interactive and visually appealing manner. Implemented responsive design for optimal viewing across different devices.

Corvas Notes | Java, Android Studio | 📄

August 2022

- Developed an Android application for creating, editing, and organizing digital notes. Implemented features such as note categorization, create sketch, search functionality.

Relevant Coursework

- | | | | |
|--------------------------------|-----------------------|-------------------------|----------------------------------|
| • Data Structures & Algorithms | • Android Development | • Operating Systems | • Analog & Digital Communication |
| | • Data Analytics | • Computer Architecture | |
| | • Database Management | • Computer Networks | |

Technical Skills

Languages: Python, Java, C/C++, HTML/CSS, SQL
Developer Tools: VS Code, Android Studio, Jupyter Notebooks, MATLAB
Version Control: Git

Android Development: Java, XML, JSON
Data Analytics : Power BI, Advanced Excel
Graphic Design: Canva, Figma, Adobe

</> Coding Profile

Leetcode: 350+ Solved Problems [Highest Rating-1641]

Geeks for Geeks: 150+ Solved Problems [65th Institutional Ranking]

Research & Publications

"Design of Wideband Microstrip Patch Antenna at 38GHz for 5G Network"

Springer, ICTDSC-2023

- This paper introduces a 38 GHz microstrip patch antenna for 5G networks, achieving a return loss of -26.97 dB and a wide bandwidth of 3.25 GHz.

Leadership / Extracurricular

Training and Placement Cell

March 2023 – Present

Placement Coordinator

Jalpaiguri Govt. Engineering College

- Assisting in maintaining database, management and workflow of the Placement Cell.

Center For Innovation

Dec 2022 – Present

Finance Manager

Jalpaiguri Govt. Engineering College

- Cash handling expertise with a focus on accuracy and accountability.