

Prabuddha Chatterjee

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 [prabuddha-chatterjee](#) |  [prabuddha369](#) |  [leetcode](#)

Skills

- **Languages :** C, C++, Python, SQL, HTML, CSS, Bash, R, Javascript, Java.
- **Tools & Frameworks :** Next.js, React, Node.js, Android Studio, Git, Google Colab, Numpy, Pandas, Scikit-learn, Seaborn, Matlab, Django, Spring boot, MongoDB, PostgreSQL, Tailwind CSS, Figma, Firebase, GCP, Azure, Docker, Arduino IDE.
- **Soft Skills :** Competitive Programming & DSA, Communication & Collaboration, Leadership, Teamwork, Problem Solving, Analytical Thinking.

Projects

- **Calorie Guard | Android Mobile Application | Self Project | [Link to Github](#)** (Apr 2023)
 - **Developed** a calorie-tracking Android app utilizing Google's Gemini Pro 1.0 for real-time food image recognition **showcasing expertise in Android development and prompt engineering.**
 - **Leveraged Android Studio, Firebase, and Java to build a robust and user-friendly application** successfully launching it on the [Play Store](#) and demonstrating proficiency in Agile development methodologies.
- **Smart Water Management System | IOT | Course Project | [Link to Github](#)** (Jan 2024)
 - **Collaborated with a team to automate** water tank operations by integrating an ultrasonic sensor with an ESP8266 microcontroller, **improving system efficiency and eliminating manual refills.**
 - **Programmed real-time water level monitoring and display on an LCD screen using C++ and Arduino IDE** providing users with clear system status and exemplifying strong problem-solving skills. [Certificate](#)
- **KickStart | Online Freelancing Web Platform | Self Project | [Link to Github](#)** (May 2024)
 - **Spearheaded the development of** India's first smart contract-powered freelancing platform using Solidity and Ethereum, **reducing the risk of payment scams and delays by 50%**
 - **Implemented an open-source LLM-driven (Gemma, Codegen) skill verification system** that analyzed freelancer project data, and presented findings that led to increased client trust.
- **Parkinson's Disease Prediction | AI & ML | Course Project | [Link to Github](#)** (Aug 2024)
 - **Developed a TensorFlow and Scikit-learn based ensemble model** achieving 91% accuracy in predicting Parkinson's disease from [patient data](#), contributing to the advancement of early diagnosis methods.
 - **Led the data preprocessing and analysis phase** utilizing Pandas and NumPy to clean, transform, and explore a complex dataset, and employed data visualization techniques with Seaborn to communicate key findings to stakeholders.

Education

- **B.Tech in Computer Science and Business System** (2022 - 2026)
 - **Narula Institute of Technology, Agarpara, Kolkata.**
 - **8.7/10 CGPA**
- **Higher Secondary Certificate | CBSE** (2020 - 2022)
 - **Indira Gandhi Memorial High School, DUM DUM, Kolkata.**
 - **90.2 %**
- **Secondary School Certificate | ICSE** (2008 - 2020)
 - **St. Stephen's School, DUM DUM, Kolkata.**
 - **89.2 %**