Prabuddha Chatterjee

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prabuddha-chatterjee | prabuddha369 | leetcode

Skills

- **Languages :** C++ | Javascript | Java | Python | SQL | Bash | R | Typescript.
- **Web Technologies :** HTML5 | CSS | Next.js | React.js | Node.js | Django | Spring boot | JSON | XML Tailwind CSS | RESTful APIs.
- **Databases & Cloud :** MySQL | PostgreSQL | MongoDB | Microsoft Azure | Google Firebase | Vercel.
- **Tools & Platforms :** Android Studio | Git | Docker | Figma | UML(Unified Modelling Language).
- **Soft Skills :** CP & DSA | Communication | Leadership | Teamwork | Problem Solving | Analytics.

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, achieving 87% accuracy in testing with 20+ beta testers' feedback.
  - **Successfully deployed** to the Google Play Store and resolved over 50 bugs identified through beta testing with 20 active users, resulting in improved app stability and performance.

- **Smart Water Management System | IOT | Course Project |** [Link to Github](#) **(Jan 2024)**
  - **Collaborated with a team** to design and implement an IoT-based smart water tank management system, **reducing water wastage due to overflow by 30%**
  - **Programmed an ESP8266 microcontroller** to monitor water levels in real-time, using ultrasonic sensors and displaying data on a user-friendly **Blynk Cloud** web interface.

- **KickStart | Online Freelancing Web Platform | Self Project |** [Link to Github](#) **(May 2024)**
  - **Led the development of KickStart,** India's first smart contract-powered freelancing platform, utilizing Solidity and Ethereum to enhance security and transparency.
  - **Implemented** an open-source LLM-driven (Gemma, Codegen) skill verification system that **increased client trust in freelancers by 50%.**

- **Parkinson's Disease Prediction | AI & ML | Course Project |** [Link to Github](#) **(Aug 2024)**
  - **Developed a highly accurate (91%)** Parkinson's disease prediction model using a Neural Network and Random Forest ensemble approach trained on a dataset created by University of Oxford.

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 %**

Other

- **Certifications :** Getting Started with AI (IBM) | Computational Thinking for P.S.(Coursera)
- **Awards :** TIE-U Kolkata Chapter 2024 Pitch Competition, Winner 🔗 | Hack-o-NiT Inter-College Hackathon 2024, 1st Runner Up 🔗 | Jadavpur University Annual Tech Fest 2024 Business Plan, 1st Runner Up 🔗 | Academy of Technology TechFiesta 2024 Business Plan, Winner 🔗
- **Position of Responsibility :** College Coding Club Android Lead | College Innovation Ambassador