

# Prabuddha Chatterjee

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Kolkata, West Bengal - 700004, India




## SKILLS

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- **Programming Languages:** Java | C | C++ | Javascript | 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
- **Data Science & Machine Learning:** Tensorflow | Numpy | Pandas | Matplotlib | Scikit Learn
- **Tools & Platforms:** Android Studio | Git | Docker | Figma | UML(Unified Modelling Language)
- **Soft Skills & other :** Communication | Leadership | Teamwork | Analytical skill | CP & DSA


## PROJECTS

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- **Parkinson's Disease Prediction : Early detection and diagnosis of Parkinson's disease.** August 2024  
*Tools: Google Collab, Python, Tensorflow, Numpy, Pandas, Matplotlib, Seaborn, Scikit Learn* 
  - Built a highly accurate predictive model using a Neural Network and Random Forest ensemble, resulting in 91% accuracy rate on the University of [Oxford dataset](#).
- **KickStart : Blockchain-based freelance marketplace with escrow system** May 2024  
*Tools: Next.js, Node.js, Tailwind CSS, Typescript, Springboot, MongoDB, PostgreSQL, Solidity, Ethereum, Microsoft Azure* 
  - Developed a blockchain-based freelance marketplace that ensures secure transactions and transparent interactions, resulting in the successful onboarding of over 200 waitlisted freelancers within the first month of launch.
  - Engineered a blockchain-based real-time contract term management tool for KickStart, ensuring 100% transparent and secure payments, eliminating payment disputes.
  - Established a Codegen & Gemma 2-2b driven skill verification system, processing freelancer projects and providing accurate assessments to clients, that increased client trust in freelancers by 50%.
- **Calorie Guard: Android app that accurately tracks calories using camera.** April 2023  
*Tools: Java, Android Studio, Android SDK, Firebase, SQLite, Gemini Pro 1.0* 
  - Implemented a real-time food image recognition system using Gemini Pro 1.0 to accurately track calorie intake, achieving a 87% accuracy rate in testing.
  - Optimized UI/UX, Designed an intuitive interface with clear navigation and data visualization, resulting in a 25% increase in user engagement
  - Released Calorie Guard to the [Google Play Store](#) garnering 50+ downloads and resolved over 50 bugs identified through beta testing with 20 active users over 14 days, resulting in improved app stability and performance.

## LEADERSHIP EXPERIENCE

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- **CodeTogether**  September 2024 - Present  
*Android Dev Lead* Kolkata, India
  - Guided over 200 students in Android Development, helping students improve their coding skills and successfully completed 2+ Sessions.
  - Grew the CodeTogether community by over 1000+ members, actively engaging with students and promoting the club initiatives across campus.
  - Directed cross-functional collaboration with the PR, Photography & Videography, Competitive Programming, and Web Development teams, improving coordination, which resulted in smoother event management.

• **JIS Group** [🌐]  
*Idea-o-Meter Ambassador*

*August 2023 - Present*

Kolkata, India

- Empowered 100+ students through workshops and seminars at Narula Institute of Technology.
- Communicated the platform's significance in securing funding and mentorship for innovative ideas.
- Boosted platform engagement by raising awareness among students and faculty, leading to 10% more participation and engagement.

## EDUCATION

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• **Narula Institute of Technology**

*September 2022 - September 2026*

*B.Tech in Computer Science & Business System*

Kolkata, India

- CGPA: 8.70/10.00

## HONORS AND AWARDS

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• **Hack-o-NiT Inter-College Hackathon 2024, 1st Runner Up**

*May 2024*

*Narula Institute of Technology*

[🌐]

- Secured 1st Runner Up at Hack-o-NiT Inter-College Hackathon 2024, outperforming over 100 teams participating with my Kickstart web project.

• **TIE-U Kolkata Chapter 2024 Pitch Competition, Winner**

*April 2024*

*TIE Kolkata*

[🌐]

- Won the prestigious TIE-U Kolkata Chapter 2024 Pitch Competition, outperforming 60+ teams with my Calorie Guard mobile application.
- This win qualified me to represent Kolkata at the global semi-finals, competing against 36 top teams selected from over 1400 participants worldwide.

## CERTIFICATIONS

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• **IBM SkillsBuild: Getting Started with Artificial Intelligence**

*August 2024*

• **Google Cloud: Google Cloud Computing Fundamentals**

*September 2023*

• **Coursera: Computational Thinking for P.S. by University of Pennsylvania**

*August 2022*