

Anurup Datta

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EDUCATION

- Vellore Institute of Technology, Bhopal** Bhopal, India
B-Tech in Computer Science Engineering; CGPA: 8.39 2022 - 2026
- Hijli High School, IIT Kharagpur** Kharagpur, India
WBCHSE Class 12th, Percentage: 85% 2022

EXPERIENCE

- AnalytaXX – National Level Hackathon Winner** Offline
IIT Indore March 2025
 - Won 1st place at IIT Indore’s national-level hackathon “AnalytaXX” among 300+ teams by developing an intelligent vaccine prediction system.
 - Built a Flutter-based app that recommends H1N1 and swine flu vaccines using user health and demographic data.
 - Implemented a prediction algorithm integrating medical guidelines and personalized risk factors to deliver accurate vaccine suggestions.
 - Recognized for innovation, real-world applicability, and impact in public health tech by a panel of industry and academic experts.
- TopTrove Foundation** Remote
Graphic Design Intern Feb 2023 - Aug 2023
 - Worked as a graphic design intern for 6 months.
 - Led weekly meetings and implemented strategic improvements, reducing production time by 20%.
 - Promoted to Graphic Design Lead; completed internship with certificate and LOR.

PROJECTS

MockLy – MCQ Practice & Quiz Generator App: Developed a Flutter-based app that transforms study material into interactive mock tests, helping students improve exam readiness through customizable quizzes.

- Integrated Firebase Authentication for secure, seamless user login and personalized quiz tracking.
- Configured local storage using `shared_preferences`, enabling offline access to saved quizzes, scores, and notes.
- Engineered PDF-based MCQ extraction and AI-powered quiz generation, reducing manual test creation time by 80%.
- Enhanced learning outcomes with features like question shuffling, re-attempts, and downloadable notes.

Dr.Green - Plant Disease Detection App: Created a Flutter-based app using TensorFlow Lite for real-time leaf disease detection with 90% accuracy.

- Designed and trained ML models to classify plant diseases, achieving 90% accuracy.
- Deployed offline detection features for 1,500+ farmers in remote areas without stable internet access.
- Contributed to a 30% reduction in crop losses by enabling early diagnosis and treatment recommendations.

Mr.Narrato - AI Text-to-Speech App: Constructed a Flutter app converting text to speech, reducing screen time by 30% for users preferring audio.

- Integrated AI-powered speech synthesis to boost clarity and improve user engagement by 25%.
- Launched a hands-free reading experience, cutting reading fatigue complaints by 40% and increasing user satisfaction by 15%.

SKILLS

- **Languages:** C++, Dart
- **Frameworks & Tools:** Flutter, Firebase, Android Studio, VS Code
- **Version Control & Design:** GitHub, Figma, Canva
- **Core Concepts:** Data Structures and Algorithms

CERTIFICATES & ACHIEVEMENTS

- **SolVIT Hackathon VIT Bhopal:** Finalist among 148 teams.
- **Udemy Flutter and Dart Program:** 100% Successfully completed.
- **AI Odyssey Hackathon:** Achieved finalist position, ranking in the top 10 out of 500 participants.
- **Coursera Bits and Bytes of Computer Networking:** Secured 100% completion rate.
- **Leetcode DSA:** Solved 180+ problems.
- **Microsoft Technical Club:** Contributed as a core technical team member.