

ROUNIK CHATTERJEE

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Education

Institute of Engineering and Management, Kolkata <ul style="list-style-type: none">Branch: Bachelors of Computer Applications CGPA: 8.56/10	2022 - 2025
St. Vincent's High and Technical School, Asansol <ul style="list-style-type: none">ISC(CISCE) (Class XII), Percentage: 68.20%	2020 - 2022
St. Vincent's High and Technical School, Asansol <ul style="list-style-type: none">ICSE(CISCE) (Class X), Percentage: 79.20%	2019 - 2020

Objective

BCA graduate with hands-on experience in full-stack development, mobile applications, and applied machine learning. I am skilled in React, React Native, Python, and cloud-based ML deployment. My proven projects include an EV charging station aggregator platform and a deep learning-based image classification system. I seek an opportunity to utilize my technical expertise, problem-solving skills, and innovative thinking to develop scalable and impactful software solutions.

Coursework

- Object-Oriented Programming (OOPS)
- Data Structures and Algorithms (DSA)
- Database Management System (DBMS)
- Computer Networking
- Cloud Computing

Technical Skills

- Languages:** Java, Python, JavaScript, TypeScript, SQL
- Web and Mobile Development:** HTML5, CSS3, ReactJS, React Native, Expo
- Cloud:** Google Cloud
- Developer Tools:** VS Code, Git/ GitHub

Projects

E-Go (EV Charging Station Aggregator Platform):

- Built an Android application using **React Native** with location-based services for real-time EV station discovery.
- Integrated a **CNN-based image classification model** (TensorFlow/Keras, TensorFlow Lite) with **96.88% accuracy**, deployed on **Google Cloud** for real-time verification.
- Designed backend workflows with **MySQL** and APIs for scalable data storage.
- Enhanced user interaction by integrating a **Dialogflow chatbot** into the project website for EV-related queries.

Krishi Katha (Farmer-Centric Mobile Application):

- Developed a mobile application to support farmers with community discussions, weather updates, farming queries, tractor details, and a produce marketplace.
- Implemented using React Native (Expo) with backend support in PHP + MySQL, enabling secure data handling and seamless user experience.

Certifications

- Cloud Computing & Generative AI Training - Hands-on training with GDSC-IEM & Google Cloud Study Jams, covering cloud services, AI workflows, and model deployment.
- Android App Development - Certified courses via LinkedIn Learning and Google Jetpack Compose Bootcamps, focusing on modern Android app development and UI design.

Areas of Interest

- Full-stack and mobile app development with a focus on scalable, user-friendly solutions.
- Artificial Intelligence and Machine Learning, including applied deep learning and cloud deployment.
- Exploring game development and interactive media as a creative extension of programming skills.

Declaration

The information provided above is true to the best of my knowledge.