

# ROUNIK CHATTERJEE

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## Education

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

## 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.