

# Anindya Bhattacharya

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## SKILLS

- **Languages:** Python, Java, C
  - **Machine Learning:** Machine Learning Fundamentals, Data Preprocessing, Model Training & Evaluation
  - **Tools/Platforms:** MySQL, PostgreSQL, GitHub
  - **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

## PROJECTS

## Parking Slot Detection System

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Nov 23 - Dec 23

Designed and implemented a computer vision-based system to detect occupied and available parking slots using recorded CCTV footage; real-time CCTV integration is planned.

- Integrated **YOLO v11** for object detection to improve **real-time parking** occupancy accuracy.
  - Developed a **user panel** to display live parking availability and an **admin panel** to monitor camera feeds and manage system data
  - **Tech:** Python, OpenCV, YOLO v11, Machine Learning, Computer Vision

## House Price Prediction

JUL 23 - AUG 22

- Developed a **machine learning model** to predict house prices using structured housing datasets.
  - Performed **data preprocessing**, **feature engineering**, and **model evaluation** to improve prediction accuracy.
  - Built a **Streamlit**-based interface to allow users to input features and view predicted prices.
  - **Tech:** Python, Pandas, Scikit-learn, Streamlit, Machine Learning.

## Customer Segmentation using K-Means

Jul 23 - Aug 23

- Built a customer segmentation system using **K-Means clustering** to analyze customer purchasing behavior.
  - Applied **StandardScaler** and **unsupervised learning** to identify customer segments.
  - Created an interactive **Streamlit** dashboard to visualize customer clusters dynamically.
  - Tech: Python, Pandas, Scikit-learn, K-Means, Streamlit

EDUCATION

- **Brainware University** West Bengal, India  
Since August 2023  
*Bachelor of Technology - Computer Science and Engineering(AIML); CGPA: 8.37*
  - **Jawahar Navodaya Vidyalaya** North Tripura, Tripura  
April 2021 – March 2023  
*Intermediate; Percentage: 69%*
  - **Jawahar Navodaya Vidyalaya** North Tripura, Tripura  
April 2016 - March 2021  
*Matriculation; Percentage: 89%*

## CERTIFICATES

- Samsung Innovation Campus Certificate of Completion Nov 2025
  - Deloitte Australia - Data Analytics Job Simulation Oct 2025
  - PostgreSQL : Become an SQL developer April 2025
  - IBM Technovate- Certificate of participation Feb 2025

LANGUAGES

- English
  - Hindi
  - Bengali