

# Aritra Ganguly

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## Education

<b>St. Thomas' College of Engineering &amp; Technology</b> <i>B.Tech in Computer Science Engineering; CGPA: 8.726 (up to 7th sem)</i>	<b>2021 – 2025</b> <i>Kolkata, West Bengal</i>
<b>Mahesh Sri Ramkrishna Ashram Vidyalaya</b> <i>Higher Secondary; Percentage: 88.17%</i>	<b>2021</b> <i>Mahesh, West Bengal</i>
<b>Mahesh Sri Ramkrishna Ashram Vidyalaya</b> <i>Madhyamik; Percentage: 85.57%</i>	<b>2019</b> <i>Mahesh, West Bengal</i>

## Technical Skills

**Programming Languages:** Python, Java, SQL (MySQL)  
**Courses:** DBMS, OOPS, Machine Learning  
**Python Libraries:** Pandas, Numpy, Seaborn, Matplotlib, Scikit-learn, Flask, PyTorch, Torchvision

## Trainings and Internships

<b>Infosys Springboard</b> 🔄 <i>Project Intern</i>	<b>Mar 2024 – Jun 2024</b> <i>Remote</i>
<ul style="list-style-type: none"><li>• Worked on a project performing <b>Exploratory Data Analysis (EDA)</b> and leveraging Machine Learning models for <b>sentiment analysis</b> in Customer Reviews data.</li><li>• Trained <b>Machine Learning algorithms</b> for achieving an accuracy of 89% using LSTM neural network in emotion detection in natural language data tasks in Emotion Training Dataset, achieving an accuracy of <b>89%</b> using <b>LSTM neural network</b> in emotion detection in natural language data.</li><li>• <b>Skills:</b> Python, Scikit-learn, TensorFlow</li></ul>	

## Certifications

<b>Data Analyst Associate</b> 🔄 <i>Valid from September 17, 2024 to September 17, 2026</i>	<b>DataCamp</b>
<ul style="list-style-type: none"><li>• <b>Skills:</b> Data Management, Exploratory Analysis, Statistical Experimentation, Communication and Visualization</li></ul>	

## Projects

<b>Flight Price Prediction with MLOps and Deployment</b> 🔄 <ul style="list-style-type: none"><li>• Developed an <b>MLOps</b> project to predict flight prices using an <b>XGBoost</b> model.</li><li>• Implemented data pipelines for <b>data preprocessing</b>, including handling missing values and feature scaling.</li><li>• Deployed the solution on <b>AWS EC2</b> with a <b>Python Flask</b> API, enabling real-time price predictions.</li></ul>
<b>Stock Price Time Series Analysis and Prediction</b> 🔄 <ul style="list-style-type: none"><li>• Conducted comprehensive statistical analysis on Tesla's stock prices using <b>ARIMA</b> models.</li><li>• Utilized <b>LSTM</b> neural networks for deep learning predictions, enhancing forecasting accuracy.</li><li>• Incorporated <b>data visualization</b> techniques to effectively present findings and trends in stock prices.</li></ul>
<b>Hospitality Domain Dashboard using Power BI</b> 🔄 <ul style="list-style-type: none"><li>• Created an interactive <b>Power BI</b> dashboard to visualize key performance metrics in the hospitality sector.</li><li>• Focused on analyzing <b>revenue streams</b> and optimizing <b>pricing strategies</b> based on historical data.</li><li>• Enabled stakeholders to make informed decisions through real-time data insights and <b>custom reports</b>.</li></ul>

## Achievements

### National Level:

- Smart India Hackathon **Finalist**, organized by AICTE, MOE, Govt. of India.
- Responsibilities: **Data Collection, Data Preprocessing, Data Analysis**

### Regional:

- Invited participant in **IDE Bootcamp**, organized by AICTE, MOE's Innovation Cell

### College Level:

- Secured **2nd position** in Tech-fest Entrepreneurship competition "Think Tank."