

Srinjayee Ganguly

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<https://srinjayeeg.github.io/portfolio/>

EDUCATION

Dr. B.C. Roy Engineering College <i>B.Tech in Computer Science & Engineering, with specialisation in Data Science</i>	7.8 CGPA Aug. 2023 – May 2027
D.A.V Model School <i>PCMB, Higher Secondary Education</i>	90.8% April. 2022 – March 2023
D.A.V Model School <i>Secondary Education</i>	96% April. 2020 – March 2021

EXPERIENCE

Machine Learning Intern <i>Indian Meteorological Department</i>	Feb. 2025 – July. 2025 Kolkata
<ul style="list-style-type: none">Developed comparative models to predict thunderstorm & lightning activity over South Bengal using Python and ML knowledge.Conducted comprehensive data analysis, pattern recognition and feature extraction using NetCDF, GRIB files and real-time lightning data.Present and write a research paper on the same.	
Internship Co-ordinator <i>Dr. B. C. Roy Engineering College</i>	May 2019 – Present Durgapur, WB
<ul style="list-style-type: none">Acted as the Internship Co-ordinator for the Department of Data Science at BCREC	

PROJECTS

Gyaan-Z <i>React, Tailwind, Docker, ChromaDB, LangChain</i>	March, 2026
<ul style="list-style-type: none">Developed for Frosthacks S02, AOTDeveloped Frontend of a web application using React and Tailwind, for students and teachers to understand within-scope course studies using Socratic Learning and Mock Tests.Created Dashboards and employed Data visualisation techniques to connect end-to-end users	
Thunderstorm and Lightning prediction model <i>Python, Matplotlib, XGBoost</i>	Feb. 2025 – July 2025
<ul style="list-style-type: none">Developed comparative Random Forest and XGBoost Models using GRIB/NetCDF data and SMOTE trail	
Movie Recommendation System <i>TypeScript, JavaScript, CSS</i>	March, 2026
<ul style="list-style-type: none">Developed a Movie Recommendation System using Tmdb API to recommend movies through Genre Selection, using TypeScript, JavaScript and CSS	
Mental Health App Prototype <i>Figma</i>	Nov, 2024
<ul style="list-style-type: none">Designed a mental health app prototype for SIH, 2024	
Daily To-do WebApp <i>Flutter, Storybook Nodes</i>	Nov, 2024
<ul style="list-style-type: none">Designed a web application helping in day to day todo tasks using Flutter and Storybook's Open-source features	

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), TypeScript, JavaScript, HTML/CSS, Godot/GDScript
Frameworks: React, Node.js, Flutter, LaTeX, Material-UI, FastAPI, Maven, Electron.js, MongoDB, Tailwind CSS
Developer Tools: Git, Docker, Figma, Google Cloud Platform, Google Colab, VS Code, Visual Studio, PyCharm, Jupyter Notebook
Libraries: pandas, NumPy, Matplotlib