

# Srinjayee Ganguly

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

## EDUCATION

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

## EXPERIENCE

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<b>Finalist In FrostHacks S02</b> <i>Academy of Technology</i>	March 2026 <i>Adisaptagram, Hooghly</i>
<ul style="list-style-type: none"><li>Developed 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.</li></ul>	
<b>Machine Learning Intern</b> <i>Indian Meteorological Department</i>	Feb. 2025 – July. 2025 <i>Kolkata</i>
<ul style="list-style-type: none"><li>Developed comparative models to predict thunderstorm &amp; lightning activity over South Bengal using Python and ML knowledge.</li><li>Conducted comprehensive data analysis, pattern recognition and feature extraction using NetCDF, GRIB files and real-time lightning data.</li><li>Present and write a research paper on the same.</li></ul>	
<b>Internship Co-ordinator</b> <i>Southwestern University</i>	May 2019 – Present <i>Georgetown, TX</i>
<ul style="list-style-type: none"><li>Acted as the Internship Co-ordinator for the Department of Data Science at BCREC</li></ul>	

## PROJECTS

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<b>Gyaan-Z</b>   <i>React, Tailwind, Docker, ChromaDB, LangChain</i>	March, 2026
<ul style="list-style-type: none"><li>Developed 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.</li><li>Created Dashboards and employed Data visualisation techniques</li></ul>	
<b>Thunderstorm and Lightning prediction model</b>   <i>Python, Matplotlib, XGBoost</i>	Feb. 2025 – July 2025
<ul style="list-style-type: none"><li>Developed comparative Random Forest and XGBoost Models using GRIB/NetCDF data and SMOTE trail</li></ul>	
<b>Movie Recommendation System</b>   <i>TypeScript, JavaScript, CSS</i>	March, 2026
<ul style="list-style-type: none"><li>Developed a Movie Recommendation System using Tmdb API to recommend movies through Genre Selection, using TypeScript, JavaScript and CSS</li></ul>	
<b>Mental Health App Prototype</b>   <i>Figma</i>	Nov, 2024
<ul style="list-style-type: none"><li>Designed a mental health app prototype for SIH, 2024</li></ul>	

## TECHNICAL SKILLS

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**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