

# SAMPRIITY GHOSH

Kolkata, India | 9432932987 | [Gmail](#) | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

Proficient in Full Stack Web development, AIML with a background in Computer Science Engineering. Hands-on experience in HTML5, Tailwind CSS, React.js, Next.js, JavaScript, and MySQL, MongoDB. Domain expertise in Full stack web development, MERN Stack, Machine Learning, Deep Learning, Data Analytics and Visualization. Honing strong analytical skills, decision-making, problem-solving abilities, with a learning mindset and proactive approach.

## TECHNICAL SKILLS

<ul style="list-style-type: none"><li>Python</li><li>Tailwind CSS</li><li>Nodejs</li><li>Postman API</li><li>Pandas</li></ul>	<ul style="list-style-type: none"><li>C</li><li>JavaScript</li><li>Express.js</li><li>JAVA</li><li>Matplotlib</li></ul>	<ul style="list-style-type: none"><li>C++</li><li>MySQL</li><li>powerBI</li><li>Django(Beginners)</li><li>Seaborn</li></ul>	<ul style="list-style-type: none"><li>HTML5</li><li>MongoDB</li><li>MS Excel</li><li>NumPy</li><li>AWS(Intermediate)</li></ul>
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## EDUCATION

JIS UNIVERSITY- BTECH(Computer Science Engineering) CGPA- 9.56(Till 7thsem)  
Ramakrishna Vivekananda Mission VidyaBhawan- Secondary Education(85%)  
- Higher Secondary Education(88.9%)

## WORK EXPERIENCE

### Software Development Intern | Bluestock Fintech | December 2024 – January 2025

- Working on an Financial Full stack site work where I am associated as a Software Developer. Designed frontend and optimized SQL queries for database performance scoring, achieving confidence levels of 70–100%.  
Tools used: (Frontend - HTML, CSS, Javascript, Bootstrap 5, Backend - Django ,Database -MySQL, IDE - VS Code, Tools - Postman, Version Control- Github ) | December 2024 – January 2025 . [Completion Certificate](#)

## PROJECTS

- Workplace Diversity and Inclusion Analysis: Conducted gender-focused data analysis using Python, highlighting hiring trends and performance biases. Utilized data cleaning, visualization, and statistical tests (e.g., t-test) to generate actionable insights. Delivered structured outputs in CSV for strategic decision-making. Key Skills: Data Analytics, Python, Visualization, Diversity Insights, Statistical Analysis.
- ASMR-Powered Personalized Sleep and Stress Relief System: This project leverages ASMR (Autonomous Sensory Meridian Response) to provide a scientifically backed solution for sleep enhancement and stress relief. The system analyzes user preferences, environmental factors, and stress levels to generate personalized soundscapes. By integrating machine learning models, it continuously optimizes the ASMR audio experience for improved relaxation. ( Frontend- React.js, Model building- Machine Learning, Python, IDE-Google Colab, VS code, Backend-Flask )
- CodeInspector- AI driven Code Reviewer – An AI-powered tool that reviews code for quality, security, and performance, generating detailed documentation for production. It streamlines development, aids testers with comprehensive reports, and ensures efficient code maintenance.( Frontend-React.js, Backend- Express.js, Database-MongoDB, AI- Gemoni 2.O)
- Invest.io – AI-Driven Stock Market Intelligence: Invest.io is a full-stack financial data intelligence platform designed to empower retail and institutional investors. It provides real-time fundamental analysis of Nifty-100 listed companies, enabling users to make data-driven investment decisions. (Frontend - HTML, CSS, Javascript, Bootstrap 5, Backend - Django ,Database - MySQL, IDE - VS Code, Tools - Postman, Version Control- Github ) [ Internship Project]
- Asset Value Forecasting – AI for Smart Investments: This project uses machine learning for asset price prediction, integrating historical data, real-time trends, and market sentiment analysis to provide highly accurate forecasts. The model is optimized for investment banking, hedge funds, and financial analysts looking for data-driven decision-making. (Final Year) .(Frontend- HTML,CSS,JAVASCRIPT Backend- Flask, AI models-RNN,LSTM(Time series Forecasting ) , NLP Integration(market sentiment Analysis) , Database-MongoDB)
- Flavors of India – AI-Driven Culinary Platform: This project is a food-tech web platform that blends AI-driven personalized recommendations with a seamless food discovery and ordering system. It combines cultural insights, historical recipes, and restaurant analytics to enhance the userexperience. (Frontend-React.js, AI(Food Recommendations and Neutrition Analysis)
- Wildlife Nexus – A Platform for Nature Enthusiasts: Wildlife Nexus is an interactive web platform that provides insights into various wildlife species, their habitats, and related vlogs. It serves as an engaging educational experience for nature lovers. (HTML, TAILWIND.CSS, JAVASCRIPT)
- MoodAutiDetection – AI-Based Autism Screening: Autism Detection through Smiling Behaviors in Cartoon Videos | Link  
MoodAutiDetection is an AI-powered autism detection tool that analyzes facial expressions of children while watching cartoons. The system aims to identify early neurodevelopmental markers for autism spectrum disorder (ASD). (Frontend: React.js , Django, AI: CNN,

## PAPERS AND PUBLICATIONS

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- Indian Journal of Natural Sciences ISSN: 0976 – 0997-“ Branching Out to Safeguard India's Tomato Crop: A
- Novel Decision Tree Approach for Late Blight Disease Prediction” [ Accepted]
- A study for identifying Autism Related Behavioral Patterns Using Cartoon Videos[Accepted]
- Book Chapter – “ Machine Learning and Deep Learning Solutions in Healthcare Survey”[Accepted]
- An Multilingual chatbot Which supports Health symptoms resolved issues after Analyzing symptoms and also explains The reason by XAI .[Applied].

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## CERTIFICATIONS

- Certificate of AIML under ARDENT COMPUTECH PVT.LTD - [ARDENT COMPUTECH PVT.LTD](#)
- Certificate of Python under ARDENT COMPUTECH PVT.LTD - [ARDENT COMPUTECHPVT.LTD](#)
- Certification of AWS cloud\_practitioner\_Devops - [Certificate](#)
- Certificate of C,C++,Java, DSA under APTECH PVT. LTD
- Certificate of Data Analytics From Linkedin Learning-[Certificate](#)
- Python Certificate from CodeChef - [CodeChef](#)
- Certification of completing IIT Guwahati Bootcamp. [Certificate](#)
- Generative AI certificate from Linkedin Learning. [Certificate](#)
- Certification of participating in Flipkart Grid 6.O - [FLIPCART](#)
- Certification of Participation of CodeSprint 1.O. [Cerificate](#)
- Certificate of Particpation in Eduhacks 1.O(24 hours Virtual Hackaton). [Certificate](#)

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## ACHIEVEMENTS AND PARTICIPATIONS

- Participated on Hack-O-Med 2023
- Participated in Flipkart Grid 6.O
- Participated on TVS Credit E.P.I.C 2024
- Participated on CodeSprint 1.O
- Participating On SIH 2024
- Participated in Eduhacks 1.O

### Hobby

- Exploring technologies and innovations
- Reading articles on Technical News.