

Parichay Sengupta

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GitHub: <https://github.com/Parichay02>

Career Objective

Passionate Computer Science Engineering student with strong foundations in Python, Data Structures, and AI/ML. Skilled in TensorFlow, Keras, React.js, SQL, and Model Deployment with hands-on experience through academic and personal projects. Seeking an entry-level role as an AI/ML Engineer or Software Developer to apply problem-solving skills and contribute to innovative solutions.

Technical Skills

- Programming: Python, Java, SQL
- AI/ML: Machine Learning, Deep Learning, TensorFlow, Keras, OpenCV, CNN, BLSTM
- Frontend Development: React.js, HTML, CSS, JavaScript, Tailwind CSS, Chart.js, Responsive Design
- Backend & Databases: Flask, FastAPI (basics), NumPy, Pandas, DBMS
- Data Visualization: Matplotlib, Seaborn, Power BI
- Tools & Platforms: Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Power BI Desktop

Education

- B.Tech in Computer Science & Engineering, Future Institute Of Engineering & Management, Kolkata (2021 – 2025) | CGPA: 8.03
- Indian School Certificate (ISC), The Modern Academy | 2021 | 86%
- Indian Certificate of Secondary Education (ICSE), Ram Mohan Mission High School | 2019 | 89.8%

Projects

- Image-to-Text OCR Web App (2024): Built a responsive React.js frontend with Tailwind CSS. Trained CNN-BLSTM model (CTC Loss) on IAM dataset using TensorFlow; achieved 92% accuracy. Integrated Flask backend with REST APIs; reduced recognition errors by 35%.
- Weather App with Data Visualization (2023): Developed React.js app integrating OpenWeatherMap API. Implemented temperature trend visualization using Chart.js. Added outfit recommendation logic based on weather data.

Certifications

- Web Development (MERN Stack) – Udemy (Angela Yu)
- Java DSA Masterclass – Udemy
- SQL Basic – HackerRank
- Java Basic – HackerRank
- Deep Learning with TensorFlow – Ardent Computech

Awards & Activities

- Two-time Hackathon Participant (AI-driven web apps)
- Winner, College Riddle Solving Competition