Kanchan Pramanik

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 Kanchan Pramanik 🔗 My portfolio

SUMMARY

Enthusiastic and adaptable Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning. Proficient in Python, Java, SQL, and core development concepts including Data Structures, Algorithms, OOP, and Operating Systems. Experienced in developing real-world machine learning models, web applications, and data-driven solutions through internships and academic projects. Passionate about leveraging technology to solve real-world problems and contribute meaningfully in fast-paced environments.

EDUCATION

2022 – 2026 Kolkata, India	**B.Tech in CSE(AI&ML),** Meghnad Saha Institute Of Technology **CGPA:8.01**
2022 Kolkata, India	**Higher Secondary (WBCHSE) – Science Stream,** Sarada Vidyapith(H.S) **PERCENTAGE: 90%**
2020 Kolkata, India	**Secondary Education (Madhyamik – WBBSE),** Sarada Vidyapith(H.S) **PERCENTAGE: 88.88%**

SKILLS

Programming Languages: C,Python,Java,SQL

Frameworks/Libraries: Pandas, NumPy, Scikit-learn

Web Development: HTML,CSS

Core Competencies:Data Structures and Algorithms, Operating System, OOP, DBMS

Tools & Software: Jupyter, Google Colab, Power BI, MS Office (Word, Excel, PowerPoint), Photoshop

Soft skills: Strong communication,team collaboration,presentation skills

EXPERIENCE

Apr 2024 – May 2024 Kolkata, India	**Prodigy Infotech,** Machine Learning Intern • Completed 4 projects involving classification, regression, and prediction • Used Python, Pandas, and Scikit-learn for data preprocessing and model development • Collaborated with peers to design scalable ML solutions
Jun 2025 – Aug 2025 Kolkata,India	**IEEE CIS Kolkata Chapter Summer Internship 2025** • Developed an intelligent video-based robot behavior classification system using CNN and ConvLSTM deep learning architectures. • Achieved ~81% accuracy in detecting anomalous vs. successful robot actions by applying advanced preprocessing, data augmentation, and model tuning.

PROJECTS

- **Cat vs Dog Image Classifier** – Developed SVM model for image classification
- **Oil Spill Detection** -Deployed a CNN-based model to detect oil spill regions with >90% accuracy. Cleaned and preprocessed satellite image data using NumPy and OpenCV
- **Intelligent Video-Based Robot Behavior Classification** -Built a deep learning pipeline achieving ~81% accuracy in classifying normal vs. anomalous robot behaviors from video sequences using ConvLSTM.
- **Car Price Predictor** – Built a regression model for price forecasting
- **Smart Resume Review (ATS Resume Checker App)**-Built and deployed a Streamlit web app to analyze resumes for ATS compatibility.
- **Text-to-Voice Web App** – Built interactive voice converter using frontend tools
- **Travel Website Clone** – Designed and implemented UI features in HTML/CSS

CERTIFICATIONS

- Artificial intelligence -Accenture 🔗
- Excel -Coursera 🔗
- Foundations of Cybersecurity - Coursera 🔗
- Java -Oneroadmap 🔗
- Machine Learning -Udemy 🔗
- SQL -Udemy 🔗