Aniket Chakraborty

AI ML Developer | AI Engineer | AI Researcher

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in https://www.linkedin.com/in/aniket-chakraborty20022001/ 🔗 https://aniket-ai-portfolio.vercel.app/

EDUCATION

Master of Science (MSc.), *Manipal Academy of Higher Education* ↗ 10/2022 – 07/2024 | Bangalore, India

As a student of Masters degree in the field of Data Science, I have learnt how to apply AI ML knowledge to solve company specific business problems

Bachelor of Science (BSc.), *RKMVCC Rahara* ↗ 07/2019 – 08/2022 | Kolkata, India

As a student of Bachelors degree in Mathematics Major, I have gathered knowledge that will shape my Data Science and AI journey

PROFESSIONAL EXPERIENCE

AI ML Developer, *Webbies* ↗ 04/2024 – Present | Kolkata, India

As an AI ML Developer, Researcher and Engineer, my role is to provide scalable solution to modern problems using Gen AI tools

Data Science Intern, *IPCR* ↗ 07/2023 – 10/2023 | Kolkata, India

As an Intern, I have worked with various patient data to know how COPD and COPD-PH can affect HRCT chest Scans

PROJECTS

Exterior Color Visualizer, *Apply different colrs on Building Exterior* 12/2025 – 01/2026

User uploads different building exterior images, goes through Gemini API for coloring job, post processing colors using OpenCV to apply more accurate colors.

Edge Band Recommender, *Recommends Edge Bands by analysing images* 09/2025 – 11/2025

A Vision Transformer based model that convers images into numerical vectors and match with different image's vectors using cosine similarity

Site Inspection, *Home exterior pictures to workable information* 10/2025 – 01/2026

User uploads building exterior images, AI algorithm (SAM3) calculates building height, width, area, openings area and paintable area in feet and later detects any wall level defect like crack, damp, paint peeling and lastly gives user an estimated price for repaint job

SKILLS

- Python, VS Code, Jupyter Notebook, Google Colab
- Matplotlib, Seaborn
- Scikit-learn, Tensorflow, PyTorch
- Database, MSSQL, MYSQL, Excel, Spreadsheet
- Transformers, Diffusers

- Numpy, Pandas, OS, SciPy
- OpenCV, Pillow
- Gemini, Open AI, Claude APIs
- Git, Docker, Hugging Face
- Meta Llama, LLMs, SLMs

CERTIFICATES

Executive Post Graduate in AI ML ↗

A EPG certificate course provided by IIT Roorkee, Sponsored by Intellipaat, Deals with Data Analysis, Data Science, Power BI, Gen AI, MLOPs

Google Data Analysis ↗

A certificate course provided by Google in Coursera that deals with Data Analysis, Data Visualization, MYSQL, Excel, Python, Rules of Data Visualization

IBM Data Science ↗

A IBM Course offered by Coursera that deals with Data Visualization, Data Analysis, Machine Learning, Python Basics, IBM DB2 instance, Sqlite3

Mathematics for Machine Learning ↗

A Coursera course offered by Imperial College of London that deals with the Mathematics required for Machine Learning. Contents are Linear Algebra, Multivariate Calculus and PCA

IPCR Internship Certificate ↗

My Internship Certificate of presenting my research work in Pulmocon - an annual conference in IPCR