ARKADEEP GANGULI

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EDUCATION

Bachelor of Engineering in Computer Science & Technology — July 2023 - Present (Expected: 2027)
Institute of Engineering & Management (IEM), Kolkata — CGPA: 9.56/10.00
University of Engineering & Management (UEM), Kolkata

ISC, Class XII — April 2022 - March 2023
Ram Mohan Mission High School, Kolkata — Aggregate: 88%

SKILLS

Programming Language	C++, Java, C, Python
Databases	MySQL
Version Control	Git, GitHub
Cloud	GCP
Automation	n8n

PROJECTS

AI-Based Internship Recommendation System (GitHub) — October 2025 - November 2025
Project as a part of SIH '25

- Developed an AI-driven internship recommendation engine using hybrid rule-based filtering and Google Gemini to generate accurate, personalized top 9–10 matches.
- Built a full-stack application with Vite, React, TailwindCSS, and Node.js (Express), reusing shared TypeScript models for scalable and maintainable development.
- Implemented intelligent ranking, mobile-responsive UI/UX, and end-to-end workflow optimizations for fast, explainable recommendations.

Multimodal Phishing Detection System (GitHub) — September 2025 - November 2025
Minor Project as a part of curriculum

- Built a lightweight multimodal phishing detection system combining URL-based features with webpage screenshot analysis using GradientBoostingClassifier and a custom CNN model.
- Developed a high-accuracy pipeline with optimized preprocessing, feature extraction, and focal-loss–based training to address class imbalance and improve real-world detection performance.
- Implemented scalable end-to-end workflows including model fusion, dataset handling, evaluation metrics, and a Streamlit-based deployment-ready architecture for seamless demonstration.

Email / SMS Spam Classifier (GitHub) — March 2025
Minor Project as a part of curriculum

- Built an end-to-end Email & SMS Spam Classification system using Python, Scikit-learn, NLP preprocessing, and TF-IDF for feature extraction.
- Trained and compared multiple ML models (Naive Bayes, Logistic Regression, SVM, Random Forest) to achieve high accuracy on noisy real-world text data.
- Achieved 97.10% accuracy through rigorous model evaluation and optimization, supported by a clean, modular codebase with reusable preprocessing and pipeline utilities.

KEY ACHIEVEMENTS

- Solved 200+ problems on LeetCode.
- 5-star in C on HackerRank.