KRISHNENDU GHOSH

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Education

Bachelor of Technology - Computer Science (Artificial Intelligence and Machine Learning), 2027
Supreme Knowledge Foundation Group of Institutions (Affiliated to MAKAUT ,WB) – Hooghly, WB
    • Current GPA 7.22(Upto 4th Semester)Average of all Sem
Higher Secondary Education: PCM & CS, 2023
    Uttarpara Amarendra Vidyapith - Hooghly, WB
    • WBCHSE Board   • Percentage: 61.6%
Secondary Education, 2021
    Uttarpara Amarendra Vidyapith - Hooghly, WB
    • WBBSE Board   • Percentage: 79.71%

Technology & Skills

• *C/C++ Programming* • *Python* • *Java* • *Web development* •*JavaScript* • *Flutter* •*MySQL*
• *PostgreSQL* •*Firebase* • *React* •   *React Native* • *Android Studio* • *Streamlit* • *LangChain(GPT-4 And 3.5)* •*Technical Communication* • *Analytical problem-solving* • *Project Management*
• *Artificial intelligence* • *Data analysis* • *Machine learning* • *Team collaboration*

Certifications

• *English Language for Competitive Exams,*   NPTEL (IITM)
• *Ethics in Engineering Practice,*   NPTEL (IITKGP)
• *Communication in the 21st Century Workplace*,   Coursera (UOC, IRVINE)
• *Enhancing Soft Skills and Personality*,   NPTEL (IITK)
• *Introduction To Internet Of Things*,   NPTEL (IITKGP)
• *Introduction To Machine Learning*,   Duke University

Projects

Web Compiler for Pattern Recognition and Machine Learning Labs   **[Under Development]**
Python, Scikit-learn, Firebase , AWS ,Docker
    •Developed a **web-based compiler** for executing Pattern Recognition and Machine Learning algorithms directly in the browser with **pre-installed frameworks and auto-imported libraries** to eliminate manual setup.
    •Built a **cloud execution environment** with real-time output, error handling, version-controlled dependencies, and **zero-configuration lab access** across devices.
    •Implemented **secure sandboxed code execution** to prevent malicious activity and infinite loops, ensuring a safe and scalable learning platform.

Al-Enabled Smart Waste Management and Route Optimization System – Android APP   **Nov,2025**
Java, Firebase, Flutter ,Google Maps API, AI Algorithms
    • Developed an Al-based system to optimize waste collection routes for improved urban waste management.
    • Implemented real-time route tracking using Google Maps APIs and Firebase for data synchronization.
    • Focused on applying Al for sustainability and logistics optimization.

Web Based Pharmacy Management System   **April,2025**
Python (Tkinter), MySQL
    • Designed a complete pharmacy management solution for automating sales, inventory, and billing operations.
    • Developed both frontend and backend, ensuring secure database handling and efficient user interface.

Career goals

• To apply my technical knowledge and research curiosity in the field of Artificial Intelligence and Machine Learning through the Research Internship, gain exposure to structured research practices, and contribute to meaningful projects.

Disclaimer

I Solemnly declare that all the above information is correct to the best of my knowledge & belief.

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Date 31/10/2025