CHANDAN KUMAR MAHATO

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CAREER SUMMARY - "ECE student (2026) seeking industry opportunities to apply strong technical foundations and contribute to impactful engineering projects".

EDUCATION

Institute of Engineering and Management, Kolkata| B.Tech in ECE | Exp. (June 2026)

- **CGPA: 8.3**
- **Related Coursework:** Machine Learning, Data Structures and Algorithms, OOPS, DBMS, CyberSecurity, Computer Networks.

Central Calcutta Polytechnic, Kolkata| Diploma in EE | (Aug. 2019 – Aug. 2022)

- **CGPA:** 8.1
- **Related Coursework:** Electrical Machine, Power Systems, Electrical Measurements & Instrumentation.

INTERNSHIP/ TRAINING

Sabudh Foundation | Data Science Intern (July 2025 – Dec 2025) (6 Months)

- **Led the 'Story Snap' Passion Project**: Developed an end-to-end multimodal AI pipeline that converts spoken audio into consistent "Studio Ghibli" style visual storyboards using OpenAI Whisper and Stable Diffusion XL.
- **Technical Implementation**: Fine-tuned image generation models using LoRa adapters to ensure artistic consistency and optimize the backend pipeline for efficient audio-to-image processing.

West Bengal State Electricity Transmission Company| Vocational Training (Aug 2022 -Sept 2022)

- Underwent industrial training at WBSETCL gaining practical experience in Transformer.
- Executed transmission oil checks and performed routine maintenance on a variety of systems.

Jadavpur University| Microelectronics and VLSI Training (Jan 2025 - Feb 2025) | Jadavpur, India

- Gained hands-on experience in VLSI design, semiconductor fabrication, and FPGA programming.

PROJECTS

Mental Wellness Portal

- Developed a portal to support mental health and wellness by providing users with resources, self-assessment tools, and guided practices, using (AL-ML).
- Implemented a recommendation engine to suggest guided practices and resources based on user sentiment and assessment scores.

Story-Snap AI-Powered Visual Storytelling Tool

- Developed an end-to-end multimodal AI pipeline using Python, OpenAI Whisper, and Stable Diffusion XL.
- Built a system that automatically transcribes spoken audio into text and generates consistent "Studio Ghibli" style illustrations using custom Lo-RA adapters.

RESEARCH & PUBLICATIONS

Optimizing Drug Management: AI-Driven Pharmacy Analytics & Electronic Health Records| (IEEE XPLORE, 2024)

- Published research on AI-driven pharmacy analytics, exploring predictive analytics and data optimization in electronic health records for efficient drug management.

SKILLS

Languages: C++, Python.

Web Technologies: HTML, CSS, JavaScript, React.js, Node.js.

Data Science & ML: ML, DL (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), Generative AI (Stable Diffusion, Whisper).

CERTIFICATIONS -

- Data Analytics using AI-LLMS, AICTE VOIS Internship.
- Google AI-ML Virtual Internship by AICTE EduSkill.
- AWS Cloud Practitioner Essentials, authorized by Amazon Web Services and offered through Coursera.
- Cybersecurity for Everyone, authorized by University of Maryland, College Park and offered through Coursera.