

Ayan Biswa Dutta

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EDUCATION

- Vellore Institute of Technology** Chennai, India
Integrated M.Tech, 5 Year - Computer ; GPA: 8.23 *September 2022 - July 2027*
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Computer Networks, Machine Learning, Deep Learning, Databases, Computation

SKILLS SUMMARY

- Languages:** Python, C, JavaScript, SQL, Bash, JAVA
- Frameworks/Libraries:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Hugging Face, Flask, NodeJS
- Tools:** Docker, GIT, PostgreSQL, MySQL, SQLite
- Platforms:** Linux, Web, Windows, Arduino, Raspberry, AWS
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management, Operations

EXPERIENCE

- Born to Die Game** Remote
Operations Manager (Full-time) *August 2022 - April 2023*
 - Operational Leadership:** Managed day-to-day operations, optimizing resources for streamlined project execution .
 - Content Organisation Expertise:** Implemented strategies for the seamless organization and maintenance of content, enhancing overall project efficiency. .
 - Cross-Functional Collaboration :** Collaborated seamlessly with diverse teams for integrated design and development
- Meld** Remote
User Experience Designer (Part-time) *May 2023-October 2023*
 - Full Project Oversight :** Led UI/UX projects from concept to development .
 - Cross-Functional Collaboration :** Collaborated seamlessly with diverse teams for integrated design and development helping in a smooth management.
- Microsoft Innovations Club** On-site
Department Lead (Full-time) *October 2023 - Present*
 - Leadership:** Managing day-to-day operations with 40 plus students working under my supervision.
 - Student personal professional growth:** Provided stage for students to express and learn various technical aspects.

PROJECTS

- Currency Prediction (UAgents, FetchAI, Machine Learning):** Hackathon oriented, open source, used agents to predict currency values, thereby automating. Tech: Python, Flask, FetchAI.(Oct '23)
- Resume Scanner using FetchAI UAgents(GenAI, Machine Learning):** Resume Scanner using UAgents to demonstrate the power of agents. Tech: Python, UAgents, Langchain, LLM. (December '23)
- Healthcare Chatbot using SVM and gemini API (Machine Learning, GenAI):** (work in progress) Model is trained on 8000+ data collected from medical sources, takes inputs and diagnoses your health condition. Tech: Python, SVM, Scikit Learn, Gemini API (January '23)
- Reducing Bias in Text Summarizer (LLMs, Machine Learning):** Helping reduce bias in text based models. Tech: Python, Hugging Face, Pegasus Google (February '24)

PUBLICATIONS/RESEARCH

- Review Paper: Automated Attendance :** Reviewed various projects available for automated attendance. Tech: Python, AWS, GCP, Azure (October '23)
- Research Paper: Identifying and improving Bias in Summarization Models (LLMs, Machine Learning):** Work in Progress. Tech: Python, Pytorch, Hugging Face, Flask(March '24)

HONORS AND AWARDS

- IITB HackAI Finalist - December, 2023
- Top solution provider for SDG solutions - November, 2023
- Buildspace S4 Graduate - September, 2023

VOLUNTEER EXPERIENCE

- Community service at VITeach** Chennai, India
Helped underprivileged students achieve excellence through various bootcamps and drives . *Jan 2024 - Present*
- Event Organizer at Event Managers Club** Chennai, India
Organized events, conducted workshops and delivered workshops reaching over 15000 students. *December 2022 - January 2024*