Aniket Bhattacharya

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⌗ GitHub Profile   in LinkedIn Profile

EDUCATION

- **Manipal Institute Of Technology, Manipal**
  Bachelor of Technology in Computer and Communication Engineering (2021-2025)

- **Hiranandani Foundation School, Thane** ISC (2021) 94.0%
  ICSE (2019)93.8%

WORK EXPERIENCE

- **Diebold Nixdorf-Software Automation Intern**   *May24-Jul24*
  - Exposure: Python, Streamlit, Langfuse, Langchain, Huggingface, Docker
  - Collaborated on building a RAG chatbot using Streamlit for frontend, integrated HuggingFace models and implemented real-time conversational capabilities with FAISS for document retrieval.
  - Worked on comparing various embedding models and analyzing Langfuse traces for ATM software interactions to optimize response quality and latency. Additionally, enhanced the data preprocessing pipeline by implementing GPU acceleration and multiprocessing, significantly improving throughput. Certificate, Letter of Recommendation

- **Sushma Technology Pvt Ltd-Web Developer**   *Dec23-Jan24*
  - Exposure: Python,JavaScript,Flask,HTML
  - Built a ticket management system with a user-friendly interface, real-time tracking, advanced filtering and role-based access control, thereby improving data security. Github, Certificate

PROJECTS

- **EduMorph – Personalized AI-Powered Learning Platform**   *Jan25 – Mar25*
  - Exposure: Streamlit, Python, Rasa, DeepPavlov, spaCy, LLaMA 3, Mistral 7B, multilingual-e5-large-instruct
  - Developed an AI-driven learning platform that offers personalized course plans and introductory video scripts through conversational evaluations, tailored to diverse Indian learners.
  - Integrated interactive chat-based assessments using NLP and LLMs to identify learners' skill gaps, learning styles, and preferences, making the onboarding process deeply engaging and precise.
  - Delivered real-time adaptive learning journeys and multimedia-rich content with customizable characters, gamified progression, voice-enabled inputs, and multilingual support empowering inclusive and impactful skill development.

- **Health and Fitness Tracking Application**   *Oct23-Nov23*
  - Built a Python Flask based web application for health and fitness, featuring personalized health tracking, hydration tracking, calorie management and custom workout plans.
  - Integrated a Food and Nutrition API for nutritional information, implemented water intake tracking with notifications and Matplotlib, and created a deadlift counter with OpenCV for real-time feedback on form.Github

HONOURS AND ACHIEVEMENTS

- **Cyber Cypher 4.0 Advanced Track – NMIMS Hackathon'25**   *Mar2025*
  - Led a 2-member team and secured the **Runner-Up position** in the Advanced Track among national finalists, winning a cash prize of **30k** for developing an Agentic Workflow-powered real estate assistant.
  - Real Estate Communication Assistant: Built a real-time, multilingual AI assistant using Langgraph, Azure Speech Services, and LLMs that bridges language gaps between agents and clients, offering follow-up tracking, sentiment analysis, and RAG-based insights. Github

- **HACKNITR4.0 EarthHacks Track Winner-NIT Rourkela Hackathon**   *Jan2023*
  - Led a team of 4 students and **ranked 1st** among 360 international teams by developing a full stack web application in 36 hours, winning **$400 USD**.
  - EcoSnap: Developed a platform for sharing and discovering nature-focused images from cities worldwide, ranking cities based on community engagement and environmental impact Devfolio, Certificate

- **Unwind-One Stop Mental Health Platform For All**   *May22-Jul22*
  - Led a team of **5** students and ranked **11th out of 300** national teams in **M#Manipal Hackathon'22** - the only 2nd-year engineering team to be in the Top 20.
  - Created an online mental health self-help platform with chat rooms for peer support, a recommendation system for calming content, and personalized progress tracking to support users facing depression and anxiety. Github

TECHNICAL SKILLS

Languages: C, C++, Java, SQL, Python, HTML

POSITIONS OF RESPONSIBILITY

- **Organizing Committee member at Infodesk And Finance** TechTatva'22 - National Level Technical Fest*2022*
  Worked as part of a team that successfully sold over 1000 merchandise items. Certificate