INDRANIL BAIN

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in indranil-bain

not-indro

not-indro.github.io

V Kolkata, West Bengal, India

EDUCATION

B.Tech, Computer Science and Technology

Indian Institute of Engineering Science & Technology, Shibpur

December 2020 - June 2024

• Howrah, West Bengal

CGPA: 7.83/10.00 (73%)

PROJECTS

pdfSAGE - An Intelligent Document Companion

June 2024 - July 2024

Access Link

Technology Used: Next.js, Tailwind CSS, OpenAl Personal Project

 Engineered a Next.js application integrating the OpenAl API for realtime PDF analysis, achieving 95% accuracy in content summarization.

HMER Model - Decoding Math Expressions

a January 2024 - May 2024

Access Link

Technology Used: Python, VIT, GPT-2

Group Project

• Developed an encoder-decoder model (ViT-GPT-2), achieving 88% accuracy in expression recognition and sequence generation.

CAPM - Capital Asset Pricing Model

June 2023 - July 2023

Access Link 🔼

Technology Used: Python, Streamlit, Pandas Personal Project

 Designed a tool for portfolio analysis and risk assessment, Implemented CAPM algorithms, reducing manual calculation time by 75%.

EXPERIENCE

Data Engineer Trainee

i3 Digital Health

Sept - Present

Remote

Credential [7]

- Analyzed 20+ cancer cases by scraping FDA data, automating 50+ hours of manual work while validating against approved drug lists.
- Built a high-accuracy data extraction system, compiling drug information into a organised approach for efficient processing and updates.

Summer Project Intern

IIEST Shibpur | Prof. Abhik Mukherjee

May - July 2023

Onsite

Credential [7]

- Spearheaded GRE platform development, boosting user engagement by 40% and slashing onboarding time by 50% through intuitive UI design.
- Implemented personalized learning algorithms using collaborative filtering, resulting in a 25% increase in student performance .

Research Project Intern

IIT Kharagpur || Prof. Debdoot Sheet

July - Oct 2022

Remote

Credential 🔼

- Led front-end development for medical imaging web app, optimized "Skin Curate" disease detection (30% fewer false positives).
- Researched Federated Learning, boosting model accuracy by 65% while preserving data privacy.

TECHNICAL SKILLS

- Programming Languages: Python, C++
- Web Development: HTML, CSS, Tailwind CSS, React.is, Next.is, Vanilla.js
- Data Science: Jupyter Notebook, Pandas, NumPy, Matplotlib, BeautifulSoup4
- DevOps & Cloud: Git, Docker, AWS, Jenkins
- Databases: MySQL, PostgreSQL
- Operating Systems: Unix, Linux, Windows

PERSONAL SKILLS

Strengths

- · Strong motivational and leadership skills.
- Effective individual and team collaborator.
- Positive attitude and adaptable mindset.

Areas for Growth

- Detail-oriented approach.
- Continuously improving assertiveness and prioritization.

ACHIEVEMENTS

- JEE (Main): Secured top 6% rank nationwide
- CodeChef: Achieved 3-star coder status with a rating of 1603

ADDITIONAL PURSUITS

- ASCE: Assistant Treasurer (2023), Event Secretary (2024)
- REBECA: Publication Co-Lead (2023), Cultural Secretary (2024)
- Badminton: Represented university in intercollege badminton
- Football: Served as center-forward on the University Football Team, contributing to multiple tournament victories

LANGUAGES

English Bengali Hindi

