DEBADRITA DEY

+91 8250603212 | debadritadey2022@vitbhopal.ac.in | linkedin.com/in/Debadrita | github.com/Debadrita

EDUCATION

VIT BHOPAL UNIVERSITY   Bhopal, Madhya Pradesh
Bachelor of Technology ,Computer Science; GPA: 8.83   *September 2022 - June 2026*

KHANTURA GIRLS HIGH SCHOOL   Kolkata, West Bengal
Class XII; Percentage:91.6%   *June 2021*

PROJECTS

ADIRA | *Gemini API,NLP,React.js, Next.js,Mongo.DB* |Link   February 2024 – April 2024
- Collaborated in a team to design and architect Adira, an AI-driven RAG chatbot, participating in the full development lifecycle from conception to delivery.
- Engineered a stateless, microservices-based backend using Firebase, enabling auto-scaling to handle 100+ real-time requests per second and integrating the Gemini LLM for personalized conversations.
- Implemented secure user authentication and seamless payment integration for a smooth and reliable user experience.

FIND MY PROJECT | *Python, Github API,Streamlit,Scikit-learn*   March 2025 – April 2025
- Developed "Project Recommender," a full-stack web application to suggest open-source projects based on user-selected technologies.
- Engineered a recommendation system by processing data from the GitHub API and implemented robust testing and debugging to ensure the accuracy of project suggestions.
- Implemented features for filtering and matching projects, significantly enhancing the discovery of appropriate contributions for users.
- Leveraged data integration techniques to build a comprehensive project database, improving the efficiency and accuracy of project recommendations.

EXPERIENCE

Junior ML Engineer   June 2023 – July 2023
Omdena New Delhi   *New Delhi,India*
- Collaborated with a cross-functional team of 10 engineers and analysts in an Agile-like sprint to collect and preprocess data, ensuring its accuracy and readiness for analysis.
- Developed and trained models using Extra Trees Classifier and LightGBM algorithms, achieving an accuracy of 91.30%.
- Translated complex datasets into actionable insights, contributing to data-driven decision-making.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, MySQL(RDBMS), Javascript, HTML/CSS, R
Frameworks: React.JS, Node.JS, Scikit-learn, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, PyTorch, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: Pandas, NumPy, Matplotlib,Seaborn

ACHIEVEMENTS

- Achieved a Top 50 position among 200+ teams,demonstrating strong teamwork and problem-solving skills.
- Actively contributed to GirlScript Summer of Code'23.
- Achieved semi-finalist status in Smart India Hackathon 2024 and 2023.

VOLUNTEER EXPERIENCES

Finance and Sponsorship Lead at E-Cell VIT Bhopal
Handled event expenses and collaborated with 10+ sponsors, showcasing strong communication and organizational skills.

PR and Outreach Team Member of Health-O-Tech VIT Bhopal
Networked with professionals and organized large-scale student events, conducted workshops reaching over 10K+ students