

DIPAYAN DASGUPTA

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SKILLS

Languages	Python, SQL, JavaScript, HTML, CSS
Cloud & Security Tools	Snowflake, Git, Docker, AWS
DevOps and API Tools	Azure DevOps Boards, GitHub, OpenAI

EXPERIENCE

Programmer Analyst Cognizant Technology Solutions (Working for a German Pharmaceutical Client)	Sep 2024 - Present Kolkata, India
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– Automated Discrepancy Notification System in Snowflake — Project

- Designed a procedure in Snowflake using SQL and JavaScript to fetch discrepancy details and send notifications to developers' emails, reducing manual discrepancy checks by 80%.
- Implemented a system in the production database to run checks comparing tables to the GitHub database, identifying discrepancies with SQL queries across up to 200 tables.
- Crafted a JavaScript script to format the discrepancy data with dates and messages, and send notifications to a list of over 30 developers.

– Automated SQL Query Generator using OpenAI GPT-3.5 and Streamlit — Project

- Built a system to automate SQL queries generation from uploaded files and user prompts using OpenAI's GPT-3.5-turbo-16k model.
- Constructed a Streamlit interface for interactive file upload, data display, and query generation, with Pandas handling Excel data processing for files up to 5MB and displaying data from up to 10,000 rows.
- Developed five SQL queries to cater to specific user requirements, enhancing data accessibility and interpretation.

– Intelligent Drug Data Analysis System using OpenAI's 16.4 Turbo Model — Project

- Spearheaded the development of a Language Model (LLM) leveraging OpenAI's 16.4 Turbo Model, extracting drug-related insights from JSON datasets with 95% accuracy.
- Orchestrated the creation of a user-friendly Streamlit interface, enabling seamless interaction and reducing report generation time by 70%, with over 500 reports generated in PDF format.
- Engineered a prompt-based query system, empowering users to retrieve drug-specific information 3x faster, enhancing data accessibility.

Programmer Analyst Trainee Cognizant Technology Solutions	Sep 2023 - Present Kolkata, India
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- Collaborated with a team of 8 to develop a language model for drug data analysis.
- Led ETL process design and implementation for centralized data repository. Managed data integration from six sources and coordinated with 100+ agencies.

EDUCATION

B.Tech in Computer Science and Engineering — 9.1 CGPA B.P. Poddar Institute of Management and Technology	Aug 2019 - Jul 2023
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PROJECTS

Ai powered Web-post generator using Gemini 2.0 Flash Thinking Experimental

- Developed a Streamlit application leveraging Gemini 2.0 for automated web-post generation, enhancing content creation efficiency.
- Integrated Gemini 2.0's Flash Thinking Experimental model to generate 100+ unique webpage headers, sub-headers, and content blocks based on user-provided keywords and personas.
- Designed an interactive user interface, enabling real-time editing with a 50% reduction in manual adjustments, streamlining the web-post creation process and saving up to 10 hours per week for users by allowing direct content copy from the tool UI.

CERTIFICATION

- **Snowflake Masterclass [stored procedure + demos + best practices + labs]** — Udemy
- **Azure DevOps Boards for Project Managers, Analyst, Developers** — Udemy
- **Microsoft Certified: Azure Fundamentals** — Microsoft
- **Python Master Class Beginner To Advance** — Udemy