SAYANTAN PAL

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Ⓗ Leetcode: sayantanpal Ⓖ GeekforGeeks: sayantanpal

Education

Institute of Engineering & Management, Kolkata   **July 2020 – June 2024**
*Bachelor of Technology in Computer Science Engineering - **CGPA** - **9.12***   *Kolkata, India*

Technical Skills

Languages: C, C++, Python, JavaScript, SQL
Developer Tools: Git and GitHub, PostgreSQL, MySQL
Frameworks: ReactJS, Flask, NodeJS
Platforms: VS Code, Ubuntu, Windows, AWS, Azure

Experience

Study Abroad Program   **September 2022**
Student Machine Learning Intern   *National University of Singapore, Singapore*

- Developed 3 machine learning models for sentiment analysis, achieving an impressive average accuracy of 85%.
- Collaborated seamlessly with a cross-functional team to preprocess and meticulously analyze a dataset of 10,000 images.
- Assisted in generating basic reports summarizing experimental results and insights gained from initial model testing.

Verzeo EduTech   **March 2021 – April 2021**
Cloud Computing Intern   *Remote*

- Conducted thorough testing and troubleshooting of cloud infrastructure reducing downtime.
- Utilized Azure services, like Virtual Machines and Azure Functions to build and deploy 5 cloud-native applications.
- Collaborated with teammates to implement Azure-based solutions for improving system performance by 30%.
- Assisted in optimizing cost management strategies, leading to a 15% reduction in monthly cloud infrastructure expenses.

Projects

IEM-EDU-CHAT | GitHub: *github.com/sayantan135/IEM-EDU-CHAT*   **January 2023**

- Conceptualized and developed an innovative AIML-based academic chatbot, by predefined conversation patterns.
- Designed the user-focused interface with HTML and CSS, amplifying user experience and ensuring effortless navigation.
- Curated and integrated comprehensive 10+ academic datasets, including results, department details, and syllabi, ensuring accurate and up-to-date responses.
- **Tech Stack:** Python, AIML, HTML, CSS

PostRunR | (LIVE) | GitHub: *github.com/sayantan135/PostRunR*   **November 2022**

- Developed a robust backend system that efficiently handles requests, responses, and authentication mechanisms with a response time of 0.1 seconds.
- Crafted an elegant and intuitive user interface that simplifies organizing, and managing complex API requests.
- **Tech Stack:** JavaScript, Bootstrap, HTML, CSS

Certifications

- AWS Cloud Practitioner Essentials
- IBM Machine Learning
- LFS101x: Introduction to Linux

Achievements

- Top 100/6000 - Rakathaon 2022   : July 2022
- Round 2 - in Flipkart GRiD 4.0 SDE Challenge   : July 2022
- Top 150/6000 - CodeIN Community 100 days Code Program   : July 2022 - October 2022

Position of Responsibility

- Microsoft Student Community - IEM Content Lead   : August 2022 - July 2023
- Association for Computing Machinery - IEM Member   : September 2021 - August 2022
- Codechef Student Chapter IEM Executive Member   :August 2021 - July 2022

Extracurricular Activities

- Organiser - Open-source and MLH-backed hackathon DIVERSION 2023   : January 2023 - March 2023
- Content Lead - IEM-Model United Nation 2022   : September 2022
- Organiser - Open-source event DIVERSION 2022   : January 2022
- Volunteer - IEMPACT 2022   : March 2022