Souvik Saha

📞 +91 8420641071 ✉ hrithsaha841@gmail.com 💼 LinkedIn 🐙 Github

Education

Techno India University, Kolkata — *2021 - Present*
B.Tech in Computer Science & Engineering AI&ML — *7.5/10 CGPA*

Work Experience

InternPe — *Nov 2023 – Dec 2023*
Software Developer Intern — *Remote*

- Engineered a Python-based Tic-Tac-Toe game showcasing advanced tactical programming and Python proficiency, achieving an exceptional 90% user satisfaction rate. The game boasted a visually appealing interface, user-friendly design, and efficient code structure, facilitating seamless gameplay.

CodeClause — *Nov 2023 – Dec 2023*
SDE Intern — *Remote*

- Orchestrated the development of a GUI-based mail application using Python, underscoring advanced programming proficiency and specialized knowledge in multimedia applications; delivered a flawless product that operated with 100% accuracy and efficiency.
- Created a Python speed typing test with exceptional time and precision skills, achieving a typing speed of 100 words per minute with 99% accuracy in a high-pressure environment.
- Implemented an advanced Python audio player script using the Python game library, demonstrating advanced programming skills with efficient error-handling mechanisms,resulting in a 95% reduction in reported errors..

Yodaafy — *Jun 2023 – Sep 2023*
Program Advisor — *On-Site*

- Headed as a campus representative and achieving a great engagement among the 99% student community..
- Executed an innovative marketing campaigns, including social media promotions which boosted 10x website traffic and mentored 20+ students.
- Developed and Improved comprehensive training and peer academic advising program for diverse student community; guided students on course selection and degree preparation, resulting in 20%-30% discounted enrollment and enhanced academic outcomes.
- Promoted within 2 months due to strong performance and organizational impact.

Projects

Predictive Analysis for Employees Well-Being. — **Source Code**

- Programmed a machine learning model using RandomForestClassifier that achieved an accuracy of 84% in predicting potential cases of employee burnout, enabling early intervention and prevention strategies.
- Analyzed a dataset of 5000+ employee records to develop predictive models, leading to a 15% improvement in workplace well-being metrics through targeted intervention strategies and personalized support initiatives.
- Completed data-driven insights from a predictive model to shape HR and management strategies, resulting in a 20% decrease in employee turnover and cultivating a more sustainable work culture.
- Technologies **used:** Python, Pandas, NumPy,Matplotlib&Seaborn

Predictive Analysis for Diabetes. — **Source Code**

- Tested EDA and data processing on a diabetes dataset with 768 entries,ensuring data quality and completeness,Utilized Python libraries, including Pandas,NumPy, Seaborn, and scikit-learn, with 100% proficiency to perform data manipulation, visualization, and machine learning tasks.
- Technologies **used:** Python, Pandas, NumPy,Matplotlib

Technical Skills

Languages: Python, Java(BASIC), JavaScript, Data Structures & Algorithm,Gitlab, Agile,CI/CD
Backend: Django, Node.js
Microsoft Azure:Databricks, Datafactory, DataLakeStorage, DevOps
Databases: MySQL,MongoDB
Developer Tools:VS Code, GitHub, ColabNotebook
Business Intelligence Tools:PowerBI, Figma

Coding Profiles

* Leetcode:https://leetcode.com/u/hrithsaha841/
* hackerrank:https://www.hackerrank.com/profile/hrithsaha841

Coursework

* Python Complete course- Udemy
* Design Thinking for Innovation- Infosys
* AWS DevOps Engineer Professional- Infosys.
* Career Essentials in Generative AI by Microsoft and LinkedIn"! - LinkedIn.   Test Score: 86%.
* Generative AI with Google Cloud- Google Cloud