Uday Sutradhar

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EDUCATION

Degree/Exam	Institute	Year	SGPA / Percentage
B. tech in Metallurgical & Materials Engineering	Indian Institute of Technology, Kharagpur	2022-2026	7.24 /10
Higher Secondary education (C.B.S.E)	Sarada Vidya Mandir, Raiganj	2021	85.2%
Secondary Education (C.B.S.E)	Sarada Vidya Mandir, Raiganj	2019	87.6%

EXPERIENCE

Contributor | KWOC'23, IIT KGP (01st Dec- 9th Jan)
Project Name - ⍉ **JavaScriptProject(This repository houses a collection of diverse Python-based projects displaying multiple domains)**
● Engineered a GUI (**Graphics User Interface**) for **Rock-Paper-scissor game**, **Hangman-game**, **Guess-the-Number game using tkinter**-Library of python
● Spreadhead the development of a dynamic website using the powerful **Django Framework** serving as a centralized platform to showcase project repository

Contributor | GsSOC'23 (20th May- 10th Aug)
Project Name - ⍉ Dev-Geeks (A Repository Fostering Community-driven Development and Innovation through Shared Contributions and Transparent Code)
● Developed an innovative **a love-symbol generator** leveraging the functionality and graphical capabilities of the Turtle library in Python manifesting emotion
● Engineered a robust **student-academic-database** utilizing the C programming language, intricately designed to manage and organize scholastic information
Internship | CodSoft (15th Aug- 15th Sep)
Web Development Intern

- Got a hands on experience on a 4 week internship on web development from the mentors of CodSoft
- Done a several web development tasks assigned with in a limited time frame to give the full experience of timely schedule

PROJECTS

AI CHAT BOT Apr 2023 - Present
The project is based on building a Chatbot named Dogi. The project is completely based on Python and it's modules & libraries. It's a bot who is there to do random chit chats with you and even give insides and infos of what you ask related to the outside world. It's a newly developed AI who doesn't know much about the outside world but will improve by its mistakes with the help of Machine Learning. It is an Ongoing Project because of a lots of additions are about to take place

CALCULATOR 20th Nov- 22nd Nov
Developed a command-line based calculator implemented in C++ and serves as a fundamental tool for performing basic arithmetic operations conveniently and efficiently,showcasing object-oriented programming principles for efficient code organization and modularity seamlessly
● Implementing subsequent functions and using function prototyping in main function so that it can be recognized for the call of each function individually

TIC-TAC-TOE
● Engineered a Tic-Tac-Toe game with the help of JavaScript, And designed the beautiful animations of the game with help of HTML5 and CSS3

A Beautifully Designed Interactive Website(SakShat) 22nd Feb- 18th Jun
As the name suggests. A beautifully designed and interactive website was build consisting of several webpages. The project majorly consists of CSS for styling and designing the webpage and javascript for making the webpages interactive
● Implementing responsive web design principles to ensure optimal viewing experiences across various devices and screen sizes, emphasizing accessibility
● hosted and deployed on GitHub pages, allowing for easy access and demonstration of the project to a wider audience

PORTFOLIO-WEBSITE : Deployed my personal portfolio, displaying my skills, projects, experiences, and accomplishments in the tech domain 17th Mar- Running

SKILLS

- **Languages:** C, C++, Python, Java, HTML5, CSS3
- **Frameworks, Libraries and Tools:** Django, NumPy, git, GitHub, Arduino, Figma, SolidWorks, Fusion360

COURSEWORK INFORMATION

UNIVERSITY COURSES
● CS10003 - PROGRAMMING AND DATA STRUCTURES   CS19003 - PROGRAMMING AND DATA STRUCTURES LABORATORY
● MA11003 - ADVANCED CALCULUS
● MA11004 - LINEAR ALGEBRA, NUMERICAL AND COMPLEX ANALYSIS
● MA20205 - PROBABILITY AND STATISTICS
NON UNIVERSITY COURSES
● MACHINE LEARNING SPECIALIZATION (Andrew Ng)
  Supervised Machine Learning, Advanced Learning Algorithm, Unsupervised Learnings
● INTRODUCTION TO ARTIFICIAL INTELLIGENCE
● DEEP LEARNING
● INTRODUCTION TO ROBOTICS ON AWS (Amazon Web Service)
● AWS FUNDAMENTALS SPECIALIZATION
● META BACK-END DEVELOPER PROFESSIONAL CERTIFICATE
● DATA ANALYSIS WITH R PROGRAMMING
● CYBER HYGIENE PRACTICES (Ministry of Electronics And Information Technology)
● INTRODUCTION TO CYBER SECURITY

ACHIEVEMENTS AND AWARDS

● **Academic Excellence Award – WBJEE'22**
    o Received the Academic Excellence Award by Chief Minister for achieving the rank in the WBJEE examinations-2022
● **Qualified JEE Main and JEE Advanced**
    o Successfully cleared both JEE Main and JEE Advanced, demonstrating proficiency in competitive examinations

POSITION OF RESPONSIBILITY

● **HEAD OF WEB DEVELOPMENT | CLUMOSS** Aug'23-Dec'23

EXTRA CURRICULAR ACTIVITY

●**NCA (NATIONAL CULTURAL APPRECIATION) SINGER, IIT KGP** 2022-2024