SAUMYADIP BANDYOPADHYAY

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 github Leetcode Portfolio

EDUCATION

INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY,SHIBPUR
Bachelor's of Technology, 2020-24, CGPA-8.38

ABOUT

An Engineering Graduate with a deep enthusiasm for Software Development, Technology, and Solving real-world problems. Possesses a solid foundation in technical and analytical skills, presentation abilities, and experience in cross-functional collaboration.

SKILLS

Technical Skills Problem Solving/Coding, Data Mining, Machine Learning and Deep Learning, Object Oriented Programming, Database Management System, Data Structures and Algorithms, Technical Presentation, Data Analysis, Engineering Mathematics, Statistics
Languages: Python, C/C++,Java,JavaScript, MySQL, HTML/CSS
Software/Tools: VS Code, Jupyter, Git/Github

EXPERIENCE

NNM Labz - Game Development and ML Engineer Intern
June 2023- September 2023

- Developed procedural content generation techniques using ML models (Markov Chain, GANs, VAEs, LSTMs) for game level generation in 2D platformer games.
- Collaborated with designer team to align development with user experience goals and technical needs, presenting ML methodologies to enhance cross-functional understanding of procedural content generation.
- Skills- Python, UnityML,ML,DL

PROJECTS

Man vs Monster ⌉ |

- **Description:** Created a 3D game in Python using Pygame with features like raycasting, fish eye effect, pseudo 3D and pathfinding algorithm, demonstrating game mechanics.
- **Skills:** Python, Pygame, problem-solving, game design

Virtual Voice Assistant ⌉ |

- **Description:** Developed a virtual assistant capable of performing tasks like web searches, greet users, playing music, doing Google, and Wikipedia searches, read news updates, weather, jokes, time and dates, sending WhatsApp messages. .
- **Skills:** Python, Speech-to-text, web scraping, NLP

Stock price Prediction

- **Description:** Built a tool to analyze and predict stock trends using deep learning, deployed on Streamlit for real-time interaction.
- **Skills:** Python,Tensorflow, Keras,Deep Learning,Long Short Term Memory(LSTMs),Time Series Analysis,data analysis

ACHIEVEMENTS and EXTRACURRICULAR ENGAGEMENTS

- **Technical Presentation Achievement:** Achieved a Grade A in college for Technical Presentation and Seminar, with topics covering Quantum Computing, GenAI, and Renewable Energy.
- **Entrepreneurial Engagement:** Active member of the Entrepreneurship Development Cell (EDC IIEST) of College; attended multiple webinars and seminars on entrepreneurship, gaining valuable insights and skills.
- **Coding:**Solved over 500 problems across coding platforms including CodeChef, LeetCode, and Codeforces. Actively participated in various coding contests, achieving a top 10 percent rank in LeetCode Weekly Contest 328.