Rudrasish Dutta

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EDUCATION

Netaji Subhash Engineering College   Kolkata, West Bengal
Bachelor of Technology in Computer Science and Engineering (3rd Year)   *July 2022 – PRESENT*
- CGPA : **8.24/10.0**
- Relevant Coursework : C Programming, Data Structure, Algorithm, Discrete Mathematics, COA, DBMS, OOPs,Python

St. Karen's High School   Patna,Bihar
10+2 Central Board Of Secondary Education [CBSE], PCM   *June 2020 – May 2022*
- Percentage : **93.2%**

PROJECTS

Text to Text Translation Using MBART | Source Code   *Oct'24 - Oct'24*
- Developed an **English to Indian Languages Translation Tool** using the **MBART model** from Hugging Face's Transformers library, enabling seamless translation from English to Indian languages including Hindi, Gujarati, Bengali, Tamil, and Telugu.
- Designed a **user-friendly command-line interface** supporting real-time translation with robust error handling to enhance user experience and accessibility.
- Utilized the **pre-trained MBART model** for accurate and context-aware translations, ensuring high-quality results across languages.
- Supported Languages: Hindi (hi_IN), Gujarati (gu_IN), Bengali (bn_IN), Tamil (ta_IN), Telugu (te_IN).

Whatsapp Chat Analyzer | Live | Source Code   *Sept'24 - Sept'24*
- Developed a **WhatsApp chat analyzer** using Python libraries **Pandas, NumPy, Matplotlib, and Seaborn**, enabling in-depth data analysis on chat history files in `.txt` format.
- Implemented analytical features to display insights, such as **message count, most used words, and most active users**, providing users with valuable communication patterns and trends.
- Ensured compatibility with chat data constraints, requiring **12-hour time format and year in yyyy format**, for consistent and accurate analysis.

Handwritten Numbers Prediction Using basic CNN | Source Code   *Aug'24 - Aug'24*
- Built a **neural network** for handwritten digit classification with **87.43% accuracy** on test data using **Python and Numpy**.
- Implemented **Tanh, ReLU, and Softmax** functions, forward and backward propagation, and optimized parameters via gradient descent.
- Trained over multiple iterations, visualized cost reduction, and validated predictions with sample test images.

TECHNICAL SKILLS

- **Programming Languages** : C++, Python,Java
- **Libraries & Framework**:Tensorflow,Keras,Numpy,Pandas,OpenCV,MySQL,Scikit-Learn,Seaborn
- **Tools & Software** : Git, Github,VS Code,Jupyter,Colab

WORK EXPERIENCE

Admin | Xenon Esports Organization   *Jan '23 - Present*
- Managed **140+ players** across multiple tournaments in the eFootball category, ensuring seamless coordination and player support.
- Contributed to **content development** on YouTube and Instagram, helping grow the platform to **1K+ subscribers** on YouTube and **10K+ followers** on Instagram.

CEO & Educator | Notebook   *Jul'23 - Jan'24*
- Served as **CEO and Educator**, overseeing platform operations and educational content delivery containing 150+ videos on youtube
- Managed a team of **8 professionals**, including educators and editors, to streamline content creation and quality control.