Singam Setty S A Deshik

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EDUCATION

Indian Institute of Technology, Patna   2021-2025
B.Tech AI & DataScience   **CPI: 8.46**

PROJECTS

Green Budget Estimate   Sept. 2023 – Oct. 2023
Prof. Mayank Agarwal, IIT Patna   Github
- **Technologies used :** PHP, MySQL, Script, AG-GRID
- Developed the "Green Budget Web Application," a dynamic and user-friendly platform aiming to facilitate easy access to comprehensive financial information on various government departments budgets. Implemented features using PHP, MySQL, and scripting languages, with a focus on data presentation through AG-GRID.

MultiStep Forecasting of Multivariate Time Series Data   Oct. 2023 – Nov. 2023
Prof. Arijit Mondal, IIT Patna   Github
- **Technologies used :** Python, GRU (Bidirectional), LSTM, Keras
- Designed and implemented a Deep Learning Model for the multi-step forecasting of multivariate time series data. Conducted training and testing on diverse datasets to evaluate the model's performance and accuracy.

Two Pass Assembler and Emulator   Nov 2022
Prof. Jimson Mathew, IIT Patna   Github
- **Technologies used :** C, C++, MIPS
- Developed a Two Pass Assembler and Emulator for a fixed set of instructions (simple set architecture), demonstrating efficiency in processing assembly language code. Created and implemented test case algorithms for thorough verification of the assembler and emulator functionality.

Faculty Recruitment WebPage   Sept. 2023 – Oct. 2023
Prof. Mayank Agarwal, IIT Patna   Github
- **Technologies used :** PHP, MySQL, Script, HTML
- Collaborated on the development of a dynamic Faculty Recruitment WebPage under the guidance of Prof. Mayank Agarwal at IIT Patna. Utilized PHP and MySQL for efficient data management and retrieval, along with scripting languages and HTML for creating a visually appealing front-end.

Technical Skills

Languages: C++, Python, MySQL, MIPS, HTML

Developer Tools: Git, VS Code, Google Colab, PyCharm, Jupyter Notebook

Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, Keras

Cloud Platforms: Amazon Web Services (AWS)

Key Courses Taken: Data Structure and Algorithms, Machine Learning, Artificial Intelligence, Deep Learning, Probability and Statistics, Database Management System (DBMS), Operating Systems, Computer Vision, Bayesian Data Analysis

Achievements

JEE Advanced Rank 2021 3392(general category).

Jee Mains Rank 2021 1975(general category).

Secured National 1st Rank in NTC Maths Olympiad won laptop.

Programming Info

Coding Platforms: LeetCode, GeeksforGeeks, Codeforces