

Singam Setty S A Deshik

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EDUCATION

Indian Institute of Technology, Patna

2021-2025

B.Tech AI & DataScience

CPI: 8.53

EXPERIENCE

Computer Vision and AI Development Intern

May 2024 – July 2024

Inplayin, Mumbai, India

- **Technologies Used:** Pytorch, Roboflow, Django, AWS
- Developed and implemented advanced AI algorithms for interactive games, including basketball, football, and guitar dance, significantly enhancing user engagement and competitive experience. Collaborated with team to design, train, and refine AI models for real-time gameplay interactions, ensuring high performance and accuracy.

PROJECTS

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 WebSite

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 WebSite 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

Programming Languages: C++, Python, Java, SQL, HTML, JavaScript.

Developer Tools: Git, VS Code, Docker, GitHub, Google Colab, Jupyter Notebook.

Frameworks and Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, Keras, Flask, Django.

Cloud Platforms and OS: Amazon Web Services (AWS), Microsoft Azure, Linux (Ubuntu), Windows.

Other Skills and Courses Taken: Data Structures and Algorithms, Object-Oriented Programming (OOP), Database Management, RESTful APIs, Version Control, Containerization, Testing and Debugging, Operating Systems, Computer Networks, Big Data, Machine Learning, Artificial Intelligence, Computer Vision, Probability and Statistics.

ACHIEVEMENTS

- Secured **AIR 1975** out of 1 million participants in JEE Mains 2021 conducted by NTA.
- Secured **AIR 1 in NLMO 2018** , awarded with a laptop conducted by National Teachers Council (NTC).
- **Expert** in Codeforces