

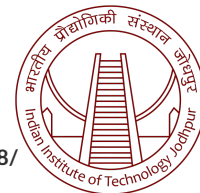
SHASHANK KUMAR

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॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

EXPERIENCE

DATA ANALYST INTERN

Udaan.com

📅 May 2023 – Jul 2023

📍 Bengaluru

- Led data analysis in the accounting and finance team, developing a dashboard for customer payment refund process.
- Provided real-time visibility of the refund funnel, facilitating prompt monitoring and action on refund transactions.
- Identified and optimized refund process inefficiencies, improving overall process effectiveness.
- Technology used: SQL, Python, Lookers Studio, g-sheet.

MACHINE LEARNING INTERN

Indian Institute of Technology, Jodhpur.

📅 May 2022 – Jul 2022

📍 Jodhpur

Supervisor - Prof. Harshit Agarwal

- Parameter extraction of Semiconductor Device using Machine Learning Model.
- Performed Monte Carlo Simulation in HSPICE for data extraction
- Build an ANN model to fully automate the parameter extraction process.
- Technology used: Python, ANN, HSPICE, g-sheet.

PROJECTS

Automatic Conversion of DL models to RTL

B.Tech Project

📅 Jul 2023 – Nov 2023

📍 Supervisor - Prof. Binod Kumar

- Developed a comprehensive mechanism for identifying and importing deep learning models, creating a flexible and versatile solution for diverse model structures.
- Designed and implemented an automated system capable of generating Verilog code from various deep learning models.
- Successfully converted intricate networks including VGG-16, AlexNet, ResNET-18, and SqueezeNet.
- Technology used: C++, Python, Verilog HDL.

SCRAMBLER AND DESCRAMBLER

Self-Learning Project

📅 Jan 2022 – May 2022

📍 Supervisor - Prof. Arun Kumar Singh

- Designed a Scrambler and Descrambler circuit for communication and security purposes using MATLAB and Simulink.
- pseudo random sequence generation for the Scrambler key includes m-sequence, Gold Sequence, Kasami sequence, JPL sequence.
- Implemented it on FPGA board.
- Technology used: Matlab, Simulink, Verilog HDL, Python.

EDUCATION

B.Tech in Electrical Engineering

Indian Institute of Technology, Jodhpur

📅 Aug 2020 – Present 📍 Jodhpur

CGPA:7.50

Class 12

Children's Garden School

📅 June 2019

📍 Bhabua, Bihar

Percentage - 87.80%

Class 10

DAV Public School

📅 June 2017

📍 Bikramganj, Bihar

CGPA:10

SKILLS



COURSEWORK

- Data Structures and Algorithms
- Computer Architecture
- Embedded Systems
- Digital Design
- Probability and Stochastic processes

POSITION OF RESPONSIBILITY

- Core Team Leader of FrameX society IITJ.

ACHIEVEMENTS

- Rank 638 in ICPC Amritapuri 2022
- Scored perfect score in 1st stage of ABU Robocon'22
- In the top 1% of students nationwide in the JEE 2020.
- Awarded the Bronze Medal in the National Science Olympiad during the 9th standard.