



ASHU KUMAR JHA

Email: ashu22115@iiitd.ac.in

DOB: October 05, 2003



Education

Indraprastha Institute Of Information Technology

B.Tech(CSAM)
2022 – Present

Percentage: 91.6

Bal Bharati Public School, Pitampura

CBSE
2020 – 2022

Percentage: 93.4

Bal Bharati Public School, Pitampura

CBSE
2008 – 2020

Skills

Expertise Area Web Development(Frontend-HTML,CSS,ReactJS), Python Automation

Programming Language Python, C/C++, Java, MySQL

Tools and Technologies Miro, VS Code, Canva, Git, GitHub, RStudio, JavaFX

Technical Electives Introduction to Programming, Data Structures and Algorithms, Computer Organisation, Operating Systems, Advanced Programming, Algorithm Design and Analysis, Database Management Systems

Internship

Pervasive Sensing & Intelligent Assistive Systems (PerSisst) Lab(IIITD)(Research)
Guide: Prof. Pragma Kar (Aug,24 – Dec,24)

Digital Signal Processing Project: Designed and implemented a system to generate chirp signals, analyze reflected audio, and accurately detect the presence and count of people in a room using advanced DSP techniques. Demonstrated proficiency in real-time signal analysis and data interpretation.

Interpreting Machine Learning Papers Through Linear Algebra (IIITD) (Research)
Guide: Prof. Sriram.K (Jan,25 – Mar,25)

Independent Project: Was able to explore the role of linear algebra in machine learning by studying the key mathematical concepts and implementing the research paper "Deep

Learning: An Introduction for Applied Mathematicians". The goal was to enhance understanding of ML fundamentals using a mathematical approach.

Projects

STICKHERO GAME

Guide: Prof. Raghava Mutharaju

We created a replica of the Stickhero game using Scene Builder and JavaFX.

<https://github.com/vaibhav7899ops/AP-PROJECT>

(Nov,23)

Team Size-2

LINUX SHELL IMPLEMENTATION

Guide: Prof. Vivek Kumar

Implemented Linux Shell terminal internal and external commands in C using Linux system calls. User-based error handling was done, too.

(Sep,23)

Team Size-2

CUSTOM ASSEMBLAR AND SIMULATOR

Guide: Prof. Sujay Deb

designed and implemented an assembler and simulator for a custom Instruction Set Architecture (ISA). This tool takes the assembly code written for the custom ISA and simulates its execution on your machine.

(May,23)

Team Size-4

Positions of Responsibility

- OT member in ESYA (Tech fest of IIIT Delhi) (Aug 2024)
- OT member in ODYSSEY (Cultural fest of IIIT Delhi) (Jan 2023,2024)
- OT member in ASTRA (Sports Fest of IIIT Delhi) (May 2024)

Interests and Hobbies

- I use chess as an escape(Rating - 1364 on chess.com)
- I have been reading a lot of books since childhood.

Declaration: The above information is correct to the best of my knowledge.

ASHU KUMAR JHA

Date: July 7, 2024