


Vishnu

B.Tech - Computer Science and Engineering

Indian Institute of Technology, Mandi

 Nov 2022 - Jul 2026

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Mandi	7.76 (Up to 4 th semester)	Nov 2022 - Jul 2026
Senior Secondary	CBSE	91%	2021
Secondary	CBSE	95%	2019

PROJECTS

- **Generative AI** | [FastAPI](#) [Tensorflow](#) [CV2](#) [Pillow](#) [NodeJS](#) [ExpressJS](#) [PostgreSQL](#) [LSTM](#) [FCNN](#)
 - Developed a deepfake image classification system using the ProGAN dataset, leveraging CLIP model for feature extraction, and implementing nearest neighbor and linear classification. Key features include deepfake detection, misinformation combat, and delivery of trustworthy news updates.
 - Implemented secure user data storage in a PostgreSQL database with industry-standard encryption and hashed passwords using bcrypt.
- **Video and Audio Deepfake Detection Project** | [Streamlit](#) [PyTorch](#) [PyAV](#) [Transformers](#) [Numpy](#) [YOLO](#)
 - Implemented a system for detecting deepfake videos and audio using pretrained models.
 - It provides functionalities for video analysis.
 - The application utilizes Streamlit for the web interface, PyAV for video handling, PyTorch for video deepfake detection, and other necessary libraries.
- **Student Management System** | [Python](#) [MySQL](#) [PyMySQL](#)
 - Provided complete management solutions to take care of all enrollment and maintenance reports (of a new or old student of the school).
 - I had divided the program into small user-defined functions to take care of all future upgrades and expansion.
 - Key Features of the project include user friendly menu driven options, exceptions used for database, tables, zero division to avoid inconvenience to users, Data Validation for functions (eg-sort(), delete(), etc.) to avoid ambiguous/wrong/invalid data entry.

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, JavaScript
- **Libraries and Frameworks:** NodeJS, ExpressJS, PostgreSQL, NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow
- **Tools and Technologies:** HTML, CSS, Git, GitHub, MySQL, Visual Studio Code, Google Colab

ACHIEVEMENTS

- Secured **3rd position** in the prestigious National Level Hackathon, Kleos 2.0 organized by RAIT ACM Navi Mumbai out of over 400 teams.
- Participated in the Pan-India event "Mine The Model Celesta" organized by IIT Patna on Kaggle, achieved a score of 0.11, and secured **11th position** in the event.
- Awarded with a blue blazer for **academic excellence** for four consecutive years (2016 - 2020).
- Secured **99.6 percentile** in JEE Mains and also secured an **All India Rank of 2773** in JEE Advanced.

POSITION OF RESPONSIBILITIES

- **Planning and Management Team:** I was a member of the planning and management team of our college's cultural fest, Exodia. In this role, I managed an event, coordinated with the judge, and invited participants from various colleges. *Mar'23 - May'23*
- **Team Lead SIH Hackathon:** Led a team of 5 members in the Smart India Hackathon event. *Aug'23 - Nov'23*
- Member of the **Robotronics Club** of our college. *Sep'23 - Present*
- Member of the **System Administration and Infosec Cell (SAIC)** of our college. *Jan'24 - Present*

RELEVANT COURSEWORK

- **Computer Science Courses:** Data Structures and Algorithms, Design and Analysis of Algorithms, Computer Architecture, Mathematical Foundations of Computer Science, Formal Languages and Automata Theory, Information and Database systems.
- **Data Science Courses:** Linear Algebra, Computing and Data Science, Probability and Statistics, Machine Learning, Information Security and Privacy.