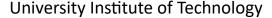


# **AYUSH JALAN | 20213017**





EDUCATION			
Year	Degree/Exam	Institute	CGPA/ Percentage
2021-25	B.E, Information Technology	University Institute of Technology, Burdwan, West Bengal	9.09/10
2018-19	Class XII, CBSE	Vision International School, Bharuch, Gujarat	81.20%

**2019-21: Educational Gap** - Focused on preparing for Engineering Entrance exams. Utilized this time for personal development and exploration of Computer Hardware and gained knowledge in custom PC building for various utilities.

### PROJECTS AND EXPERIENCE

Kendriya Nasha Mukti Portal: Oct '23 – Jan '23

[GH: <u>The15thSin/nmdb-sih</u>]

- Technologies: React JS, Node JS, MongoDB, Swagger API
- Served as a Team Lead in SIH '23 against the problem statement SIH1366 and got selected as the Grand Finalist.
- Designed the centralised database prototype leading to a projected 40% increase in operational efficiency.

RailEase: Railway Reservation System: May '24 – Jun '24

[GH: The15thSin/RailEase-Train-Reservation-App]

- Technologies: ReactJS, Node.js, Express JS, Mongo DB, Mongoose, TypeScript
- Implemented the Railway Reservation System as a Software Engineering Lab Project on MERN Stack.
- Addressed all the complexities during train reservation and managed to develop more than 10+ RESTful APIs.

Phishing URL Detector: May '24 – Jun '24

[GH: The15thSin/Phishing-URL-Project]

- Technologies: Python (Notebook), Scikit-Learn, Flask, React JS
- Created a Phishing URL Detector Web App as an Internship Training Project with the accuracy of 97.8%.
- Combined two Machine Learning Algorithms to achieve the maximum accuracy and most accurate prediction.

**Diabetes Prediction:** Jan '24 – Feb '24

- Technologies: Python (Frameworks: Pandas, NumPy, Scikit-Learn, Matplotlib)
- Used UCI ML Diabetes repository for the dataset and developed a Diabetes prediction system with 98.2% accuracy.
- Transformed raw data by preprocessing and feature engineering, resulting in an 8% increase in model accuracy.

**Coding Junction Club Website:** Aug '23 – Sept '23

[GH: The15thSin/Homepage-2.0]

- Technologies: React JS, HTML, CSS
- Developed a responsive and interactive website for the Coding Junction Club providing the details of all upcoming events.
- o Served as the lead developer responsible for the overall design and implementation.

### **SKILLS AND EXPERTISE**

**Programming Language** – C, C++, Python, Java (OOPs), JavaScript, Oracle SQL, MATLAB.

**Frameworks and Libraries** – React JS, Node JS, Express JS, NumPy, Pandas, Sci-Kit Learn, TensorFlow.

**Soft Skills** – Effective Communication, Time Management, Problem-Solving, Team Work, Leadership, Empathy, Work Ethic.

# **CERTIFICATIONS**

1. Python for Data Science, Al & Development – IBM (Coursera)

(https://coursera.org/verify/UUDX4D8J747J)

2. Convolutional Neural Networks – DeepLearning.Al (Coursera)

(https://coursera.org/verify/DJJDLSQDKN5X)

## **ACHIEVEMENTS & ACTIVITIES**

Smart India Hackathon '23 – Led Team VENGEANCE in SIH '23 and won college hackathon and reached Grand Finale. TCS CodeVita Season XI – Secured global rank of 1726 in Season XI with coding and problem-solving skills. Coding Junction Club, Executive Mentor – Mentored and inspired 50+ peers about Programming and C++ language.

### **INTERESTS**

Machine Learning, Full Stack Development, Data Science, Data Analyst, Deep Learning, Software Application Development

**SOCIALS** 

github.com/The15thSin

in ayush-jalan

