AYUSH JALAN | 20213017
University Institute of Technology

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: The15thSin/nmdb-sih]
- o Technologies: React JS, Node JS, MongoDB, Swagger API
- o Served as a Team Lead in **SIH '23** against the problem statement **SIH1366** and got selected as the **Grand Finalist**.
- o 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]
- o Technologies: ReactJS, Node.js, Express JS, Mongo DB, Mongoose, TypeScript
- o Implemented the Railway Reservation System as a Software Engineering Lab Project on MERN Stack.
- o 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]
- o Technologies: Python (Notebook), Scikit-Learn, Flask, React JS
- o Created a Phishing URL Detector Web App as an Internship Training Project with the accuracy of **97.8%**.
- o Combined two Machine Learning Algorithms to achieve the maximum accuracy and most accurate prediction.

Diabetes Prediction: *Jan '24 – Feb '24*
- o Technologies: Python (Frameworks: Pandas, NumPy, Scikit-Learn, Matplotlib)
- o Used UCI ML Diabetes repository for the dataset and developed a Diabetes prediction system with **98.2%** accuracy.
- o 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]
- o Technologies: React JS, HTML, CSS
- o 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, AI & Development** – IBM (Coursera)   *(https://coursera.org/verify/UUDX4D8J747J)*
2. **Convolutional Neural Networks** – DeepLearning.AI (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   ayush-jalan   coding-junction.in   ayushjalan1203@gmail.com