

## EDUCATION

Degree	Specialization	Institute	Year	CPI
B.Tech	Computer Science & Engineering	MIST Sathupally	2022-Present	8.03
Intermediate	Physics, Chemistry, & Mathematics	Sri Nalanda	2022	7.5
SSC	-	KNR High School	2020	10.0

## WORK EXPERIENCE

- **Software Intern** [Web Development] Dec-Jan 2025
  - Completed a web development internship at Prodigy Company, collaborating in a team to **5G Network Management Station**
  - Developed a **REST API** and used **NATS messaging** to enable communication between various micro-services and using **protocol buffers to serialize the data** between different microservices
  - Integrated the distinct micro-services and **deployed the project on cloud** server by building **Docker containers** for all the applications along with working on technologies like **InfluxDB and Kubernetes**
- **Freelancer (Solution Writing Project)** [Toppr] Feb-Mar 2024
  - Successfully cleared the **freelancer screening test** conducted by Toppr for **100+ applicants** from various colleges responsible for **clarifying the doubts of school students** of classes 11th and 12th
  - Solved **80+ chemistry problems** from the study material of the **grade of competitive exams** consisting of **multiple choice questions, and brief & long answer questions within 20 days**

## PROJECTS

- **Smart Parking System (Python, Raspberry Pi, OpenCV)** 2024
  - Developed a system to optimize parking space utilization using image processing and a Raspberry Pi. The system identifies vacant parking spots in real-time and displays availability on a web interface. Reduced average parking search time by 15 percent in a simulated environment.
- **Financial Markets Experience Program** 2025
  - Managed a **virtual portfolio of BSE 500 stocks** selected based on **fundamental analysis** and conducted **SWOT and Porter's five forces analysis** for four companies from **Banking and Automobile sectors**
  - Secured a position among the **top 10% Of portfolio managers** participating from **60+ colleges** across India by generating **50% returns** having **virtual holdings worth Rs. 3,00,000** eventually
- **MNIST Digit Detection using Verilog** 2025
  - Programmed a **CNN model in Vivado and Python** to **detect numbers in the MNIST data set** based on the **pixel values of the datapoints** available as images through machine learning techniques
  - Developed the **Adder, Multiplier, Neuron, Neural Layer, and Activation Function sub-models from scratch** by taking input as **floating point numbers** and eventually integrated them to run the model

## POSITIONS OF RESPONSIBILITY

- **Class Representative [MIST] [NOV-2022] – [SEP-2024]**
  - Elected as the Class Representative, serving as the primary liaison between students and faculty, ensuring effective communication and resolution of academic concerns.
  - Led a team of student representatives to coordinate class activities, schedule meetings, and address logistical and administrative matters.

## EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Enthusiastic participant in hackathons, actively engaging in problem-solving and innovation challenges.
- Secured first place in the AI and ML Hackathon (OKN), competing against top teams and showcasing expertise in artificial intelligence and machine learning.
- Continuously exploring opportunities to collaborate, learn, and contribute to tech-based competitions.

## TECHNICAL SKILLS

- **Languages:** Python, C, C++, Verilog (Beginner), Go, MySQL, PostgreSQL
- **Tools:** Autodesk Inventor, Jupiter Notebook, LaTeX, VS Code, GitHub, Docker, VMware, Postman
- **Moocs:** Financial Markets, Financial Analyst Course, The Complete Investment Banking Course