

# Kumar Aditya

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## Education

- Indian Institute of Information Technology, Senapati

2022–Present

B.Tech in Electronics and Communication Engineering | CPI: 8.0/10.0

Manipur

- Indian Public School

2021

Senior Secondary (XII) | PCM | Percentage: 92%

CBSE

## Technical Skills

- Languages:** Python, C++, JavaScript, MATLAB
- Frontend:** React.js, Bootstrap, Tailwind CSS
- Backend:** Node.js, Express.js, RESTful APIs
- Databases:** MySQL, MongoDB, PostgreSQL
- Tools:** Git, VS Code, PyCharm, Figma, AWS Lambda
- Concepts:** OOPs, Data Structures, Algorithms, NLP, Deep Learning

## Experience

- Web Development Intern

Remote | Feb 2024–Present

Uptoskills

- Engineered responsive web apps using **React** and **Node.js**, reducing load time by **20%** via code optimization.
- Designed RESTful APIs with **JWT authentication**, improving data security and user session management.
- Collaborated in Agile workflows, resolving **15+** bugs and enhancing UI/UX with Tailwind CSS.

## Projects

- Avatar AI – Virtual Trial Room

Nov 2023

Deep Learning, OpenCV, PyTorch

- Developed a real-time clothing try-on system using **YOLO object detection**, achieving **85%** accuracy.
- Optimized image processing algorithms, reducing latency by **15%** for seamless user experience.
- Deployed on AWS EC2, attracting **500+** users in the first month.

- CollabCode – Real-time Coding Platform

Dec 2024

React, Node.js, WebSocket

- Built a **multi-user IDE** with live code execution, chat, and version history.
- Scaled backend to handle **100+** concurrent users with **<500ms** latency using Redis caching.

## Achievements

- **Walmart Software Engineering Virtual Program** (Forage) – Ranked in top 10% for database design.
- **Hackathon Co-Host** (Ahouba, IIIT Manipur) - Organized 50+ participant event, judged on innovation and UI/UX.