

# Subhayu

Portfolio: [website link](#)

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## EDUCATION

- **Birla Institute of Technology, Mesra** Jharkhand, India  
*Bachelor of Technology - ECE; GPA: 7.27/10* 2024 - 2028  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS SUMMARY

- **Languages:** TypeScript, Python, C, C++, HTML, JavaScript, SQL, JAVA, Php, Solidity
- **Frameworks:** ReactJS, Next JS, threejs, tailwindCSS, Gsap, Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, NodeJS, Mongoose
- **Tools:** Docker, GIT, RestAPI, FastAPI PostgreSQL,
- **Platforms:** Web, Windows, Arduino, Raspberry, AWS
- **Soft Skills:** Leadership, Event Management, Content - Writing, Public Speaking, Time Management

## EXPERIENCE

- **UpThrive** Remote  
*SDE Intern* April 2025 - Present
  - **Project - Made a scalable pipeline for Healthcare facility, for booking appointment:** Also developed the frontend on next js for increasing user experience
- **Upwork** Remote  
*Developer (Freelancer, Contractual)* Dec 2024 - Present
  - **Project - A website to Search and book Hostels, With AI based search Engine With a userbase of 5000:** Created project based course using Unsupervised learning and natural language processing.
  - **Project - A Buy and sell website named where people can sell their user products and put request to buy:** scaled it to vast userbase

## PROJECTS

- **Movie Sentiment Predictor :** made a Scallable movie review sentiment detector, which rates your review and predicts its and emotions and rate the movie accordingly. Tech: React JS for frontend , Python, flask, Tensorflow, Keras, LSTM Model
- **AI Border Survalance system :** A complete software to detect any anomaly in the border, like intruder, drones, count armies, detect guns, weapons, cars, and also has face recognition to identify our own souldiers. Tech: Next JS for frontend , Python, flask, Tensorflow, Keras, OpenCV(Yolo V8), SAM
- **AFK Detector (Reinforcement Learning, Computer Vision):** AI model to solve the problem of low effort employes, by detecting their movements through camera, taking logs of all the activities they do, their eye and body movements. Tech: React+Typescript ,Python, Raspberry Pi, Arduino, SUMO & OpenCV.
- **Notibit- A website where anybody can put their study Notes online and any others can download it and read it:** Tech: React + TypeScript, three js, Node js, Supabase)
- **IEEE Website - animated website for coding club, with complete backend:** Built an API which handle 1k Request per day without any breakdown. Tech: Next + Typrescript, Nodejs, PostgreSQL, Prisma, three js, Gsap
- **Apped.me - a Animated Agency website for launching your apps on playstore:** Tech: NextJs, Nodejs, Three js

## HONORS AND AWARDS

- Awarded First position at national hackathon at bits
- Awarded at IIT Dhanbad national hackathon
- Won robolution hackathon at BIT Mesra

## VOLUNTEER EXPERIENCE

- **Community Lead at Developer Student Clubs NSEC** Kolkata, India  
*Conducted online and offline technical & soft-skills training impacting over 3000 students.* Jan 2019 - Present