

Raj Pattnaik

Final Year (B.Tech)
Chemical & Engineering
at NIT Rourkela
CGPA: 7.38 till 7th Sem

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Links

Github:// [rajpattnaik](#)
LinkedIn:// [rajpattnaik](#)
HackerRank:// [rajpattnaik](#)

Skills

OS

GNU/Linux, Windows

LANGUAGES

C, C++, Python, Javascript, HTML,
CSS, SQL

FRAMEWORK

FastAPI, Django, Flask, NodeJS,
Pytorch, OpenCV, Apache Airflow,
AWS

DATABASES

MySQL, PostgreSQL, MongoDB,
Firebase, Supabase, SQLite

TOOLS

Git, Github, Docker, VS Code,
Notion, Android Studio, Firebase

Coursework

Data Structures and Algorithms
Neural Networks
Object-oriented programming (OOP)
Operating Systems
Computer Networks
Database Management Systems

Education

2021-2025
B.TECH IN CHEM. ENGG
NIT Rourkela
CGPA : 7.55/10(Expected)

2018-2020
INTERMEDIATE
Fiitjee Higher Secondary School
Percentage: 72.8%

2006-2018
HIGH SCHOOL
St.Xavier's High School,Bbsr
Percentage: 94.8%

Experience

- MAY 2024 NeuralSpace.ai Full Stack Engineer Intern**
Working with their products, VoiceAI (a Speech-To-Text (STT) model) and LocAI (which generates subtitles from videos in 70+ languages), I focus on their React+Vite-based frontend and services-based backend. I engineer unique features such as animated burned subtitles, improved and faster subtitle generation, and more.
Node.js, ReactJS, MongoDB, Redis-server, NATS
- SEPT 2023 Hyperspec.ai SDE intern**
Worked as a SDE/ROS intern in Hyperspec.AI. I worked on the human-machine interface which used ROS, python, AWS and developed their Roadmentor backend using optimised geospatial queries for Road network tracking. The major work of the company is to make 3-D maps using their hyperlite device.
Python, Node.js, AWS, prisma ORM, Apache Airflow, Jenkins, Docker
- NOV 2022 iHUB Divyasampark -IITR UG Intern**
Built a prototype to measure the speed of upcoming vehicle and generate the centralised data for over speeding of vehicles. Their number plate was detected using the ANPR technique and sent to google sheets using web API. Automatic Challan was generated and message was received through whatsapp.
Python, OpenCV, Firebase, EasyOCR
- AUG 2023 Future Wear Techathon(Titan) Competitive**
Devised a solution by gathering health data from multiple sensors using machine learning models to analyse the health metrics derive a fitness score that reflects a person's overall health and fitness level. The model is 94
Flask, JWT, Pytorch, Firebase, IoT

Achievements/Awards

- JAN 2023 eYRC'2022 Second Runner's up**
Won second runner's up in the pharma bot event of eyantra.
- OCT 2022 Chanakya Fellowship Award UG Fellowship**
Carrying out research work in the scheme entitled "Smart Pillars" by iHUB DivyaSampark setup under NM-ICPS at IIT Roorkee.
- AUG 2022 Devbhoomi Cyber Hackathon'22 Grand Prize Winner**
Secured 2nd Prize in the competition held at IIT Roorkee for developing a smart traffic system.

Extra-Curricular Activities

- 2022-NOW TIBURON Software Subsystem member**
Used various image processing and path planning algorithms for NITR's autonomous underwater vehicle (AUV).
- 2021-NOW CYBORG Electronics Team Member**
Used various electronics components for IoT and Robotics projects.