Chandrashekhar Tripathi

+91 (844) 805-2150
tripathics17@gmail.com
National Institute of Technology
Arunachal Pradesh (IN)

LinkedIn://**tripathics** | tripathics.github.io | GitHub://**tripathics**

EDUCATION

NIT Arunachal Pradesh

B. Tech in Computer Science Eng   Oct 2020-2024
Cum. GPA: **8.9 / 10 (Expected)**

Govt. Higher Sec. School, Rupa

Higher Secondary, XII (CBSE)   Grad. Mar 2019
Percentage: **81.6%, 1st in District**

Secondary, X (CBSE)   Grad. Mar 2017
Cum. GPA: **10 / 10**

COURSEWORK

- Data Structures & Algorithms
- Object Oriented Programming
- Operating Systems
- Database Management Systems
- Machine Learning
- Unix Tools and Scripting

EXPERIENCE

Indian Oil Corp. Ltd   SDE Intern

Dec 2022 - Present | Assam, IN

- Interned as a full-stack and IoT developer, developing a client and admin-side application integrated with an IoT device.
- Achieved selection for the internship from among the top 3% of students in college.

Technodaya   Editor

Sep 2022 - Present | NIT Arunachal Pradesh

- Collaborated with 2 teammates to develop Technodaya Newsletter website, cutting paperwork by 90%.
- Utilized React for frontend and Firebase for backend as a full stack developer.
- Automated content generation, resulting in a 70% reduction in editors' workload.

Ekarigari Solutions Pvt. Ltd   IoT Intern

Aug 2022 - Sep 2022 | Remote

- Worked with the Ekarigari team on a Smart Home Automation.
- Utilised NodeMCU and Arduino creating a system faster than 50% of existing systems.

SKILLS

Technical

- **Languages:** C, C++, Java
- **Scripting languages:** Bash shell, Python
- **Frameworks:** React, Flask, Node
- **Database:** MongoDB, SQL
- **Platforms:** Linux, Firebase
- **Familiar:** Typescript, Docker, Android
- **Others:** git, Microsoft Office, Sketchup

Soft Skills

Leadership · Teamwork · Communication · Organization

PROJECTS

Atulyam'23 website   Website | Source

- Developed NITAP's **Atulyam Fest** website, utilizing frontend design skills to create a magazine-style UI/UX.
- Implemented Firebase authentication and Firestore database to optimize user experience.

Airavat   Source

- Created **Airavat**, an IoT ecosystem for fleet vehicle monitoring and tracking.
- Tracker device made using NodeMCU (ESP8266), 4G SIM Module (SIM7600) and GPS module (GPS NEO-7M).
- Developed full stack website for Airavat using Flask with SQL database.

Technodaya Website   Website | Source

- Created full stack website for **Technodaya**, technical newsletter of NIT Arunachal Pradesh.
- Full stack developer - React frontend and Firebase backend.
- Intuitive card layout to rearrange magaine sections.

SHIELD web app   Source

- Co-developed **SHIELD**, an IoT-based ecosystem for secure transportation of valuables with **Team Revolutionists**.
- Created a full-stack web app enabling shipment tracking, locking/unlocking, and warning alert monitoring for admins.
- Awarded **1st place** in the NVCTI Winter Challenge Hackathon.

ACHIEVEMENTS

2022	1st prize	NVCTI winter challenge Hackathon
2022	1st prize	NITAP Designathon 2022
2022	1st prize	Idea pitching, NIT Arunachal Pradesh
2022	1st prize	CSS battle, Addovedi 2022