

# Chandrashekhar Tripathi

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Arunachal Pradesh (IN)

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## 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  
81.6% **1<sup>st</sup> in District**

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

## COURSEWORK

Data Structures & Algorithms  
Object Oriented Programming  
Operating Systems  
Optimization Methods  
Machine Learning  
Unix Tools and Scripting

## EXPERIENCE

### Indian Oil Corp. Ltd

SDE Intern

Dec 2022 - Present | Assam, IN

- Selected for the internship from top 3% students of our college.
- Full stack and IoT developer - Client and Admin side application with IoT device.

### Technodaya

Editor

Sep 2022 - Present | NIT Arunachal Pradesh

- Worked in a team of 3 to create Technodaya Newsletter Website.
- Full stack developer - Wrote the code in React and implemented backend with Firebase.
- Reduced workload of editors by 70% by automating content generation.

### Ekarigari Solutions Pvt. Ltd

IoT Intern

Aug 2022 - Sep 2022 | Remote

- Worked with the Ekarigari team on a Smart Home Automation system using NodeMCU and Arduino.

### Business Web Solutions

Full Stack Developer Intern  
May 2022 - Jul 2022 | Remote

- Created full stack website using Django and MySQL.
- Website was lightweight enough to load within 3s on slow 3G networks.
- Optimized database to reduce search times by 50%.

## SKILLS

### Programming

- **Languages:** C, C++, Java
- **Scripting:** Shell, Python
- **Frameworks:** React, Flask, Node
- **Database:** SQL, Firebase
- **Platforms:** Linux, Firebase
- **Familiar:** Typescript
- **Others:** git, Microsoft Office, Sketchup

### Soft Skills

Leadership • Teamwork • Communication • Organization

## PROJECTS

### 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 magazine sections.

### SHIELD web app

Source

- Worked with my team - **Team Revolutionists** a team of 4 to build **SHIELD**, an IoT based ecosystem for secure transportation of valuables.
- Created full stack SHIELD webapp to allow admins to track, lock/unlock and monitor shipments and warning alerts.
- Won **1<sup>st</sup> position** in NVCTI winter challenge Hackathon.

### Homepage

Website | Source

- My homepage website and digital garden running on React and Gatsby, hosted on GitHub pages.
- It is also my blogging website.

## ACHIEVEMENTS

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