

# Tarun Aditya

SENIOR AT IIT PATNA

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## Education

### Indian Institute of Technology, Patna

Bihar, India

B.TECH. IN MECHANICAL ENGINEERING

May 2020 - May 2024

- Bachelor of Technology - Final year student in the branch of Electronics and Communication Engineering at IIT Roorkee with a CGPA of 8.1.

## Experience

### Razorpay

Bengaluru, India

SOFTWARE ENGINEERING INTERN

May 2023 - July 2023

- Spearheaded & deployed cost optimization initiatives by for the EKS cluster and NAT gateway for Banks, utilizing AWS and Kubernetes, within an accelerated timeframe of just **1 week**.
- Automated the deployment of Velero, a cluster backup solution, resulting in a significant reduction of **2-5 hours** in region failover time.
- Automated the deployment of Fluent Bit in an EKS cluster to collect pod logs and node logs, and utilized Terraform to send them to OpenSearch.resulting in **10** percent improvement in log management and analysis

## Projects

### CHAT APPLICATION

IIT Patna

MERN, GITHUB ACTIONS - CI/CD

January 2023

- Built an online chat application.
- Created this project using React, Node-Js and Socket.io with MongoDB,accomplished in 2 weeks.Functionalities like Login,signup etc.
- Implemented authentication using JSON Web Tokens with enhanced security through Bcrypt.

### JOBSAPI

IIT Patna

BACKEND

March 2023

- JobsApi is an application to track your job applications in one place.
- Built using MVC architecture with user authentication using JWT tokens.
- Built using Node.js, Express.js, MongoDB, and incorporating various libraries, such as bcrypt, for hashing.

### PORTFOLIO

IIT Patna

REACT

July 2023

- Built My own Portfolio application..
- Implemented the application using React.js,Node.js,bootstrap..
- A fully responsive and multipage layout featuring some of my GitHub projects, my resume, and technical skills.

## Skills

#### General

Analytical, computation and mathematics skills, team & cross-team collaboration, end-to-end ownership, project management, technical leadership & decent communication skills.

#### Software Development

Data Structures and Algorithms, Object Oriented Programming, MVC architecture, Terraform , PHP, Python, C/C++, Javascript (Node.js & React.js), MySQL, MongoDB, Linux, REST APIs

#### DevOps

Docker, GitHub Actions (CI/CD), AWS, Kubernetes

## Achievements

### Razorypay HackO(N)

Bengaluru,India

MENTEE

July 2023

- Secured top 5 in Razorypay HackO(N).
- Spearheaded the development of a user-friendly centralized platform using **AWS Kendra**, enhancing document search capabilities.
- Attained a Codeforces rating of 1245, earning the PUPIL rank, and achieved a CodeChef rating of 1698 with a 3-star ranking.