

# Tarun Aditya

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## EDUCATION

### Indian Institute of Technology (IIT) Patna

*B.Tech in Mechanical Engineering*

CPI - 8.1/10

2020-2024 (*Expected*)

### FIIT-JEE College (A.P)

*Board of Intermediate Education A.P, Vijayawada*

Marks - 946/1000

*class 12th*

## SKILLS AND INTERESTS

**Languages:** C, C++, Terraform, HTML/CSS, MySQL, JavaScript, python.

**Coursework:** AWS, Data structures, Algorithms.

**Developer Tools:** Git, GitHub, Visual Studio Code, MongoDB, Node.js, ReactJS, REST API, PyCharm.

**Libraries:** Kubernetes, Pandas, NumPy, Matplotlib

**Areas of Interest:** Competitive Programming, Web Development, DevOps, Cloud Computing

## EXPERIENCE

### Software Development Engineer Intern *Razorpay*

May 2023 - July 2023

- Developed cost optimization strategies 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 | [GitHub Link](#)

April 2022 - May 2022

- 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.

### PORTFOLIO | [Website Link](#)

April 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.

### NEWS LETTER SIGN UP | [Github Link](#)

January 2022

- Built a NewsletterSignUp application.
- Implemented the application using Node-Js, Express.
- Clients can get their Newsletter to their mail by filling their details.

## ACHIEVEMENTS

### Razorpay HackO(n)

- Secured top 5 in **Razorpay HackO(N)**
- Successfully spearheaded the development and implementation of a highly efficient and user-friendly centralized platform utilizing **AWS Kendra**, revolutionizing document search capabilities.

### Competitive Programming | *Codeforces, Codechef and Atcoder*

- Secured the highest rating of 1245 and ranked as **PUPIL** on the [Codeforces platform](#).
- Obtained the highest rating of 1698 and rated **3-STAR** on the [Codechef Platform](#).
- Solved 750+ problems related to data structures and algorithms on various coding platforms.

## COMMUNITY INVOLVEMENT

### Training And Placement Cell, IIT Patna

2022-present

- Co-ordinator of Training And Placement Cell (TPC), IIT Patna