

ADITYA KUMAR

Champaran, Bihar

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Education

National Institute of Technology, Hamirpur

2022-Present

Bachelor of Technology in Electronics and communication Engineering

9.27

Technical Skills

- Object Oriented Programming and Problem Solving: **C/C++/python**
- Data Structures and Algorithms : **Competitive Programming**
- Backend Programing : **Django / REST APIs**
- Assembly Language Programming : **8085/8051 Microcontroller**
- Technology and Tools : **Git/Github/Matlab/Virtuoso/Keil uVision/CST Studio/OrCAD/Polygon**
- Relevant Coursework : **Opps / Operating Systems / Database Management / Embedded System**

Experience

Smart India Hackathon (SIH)

September 2023

Contribution:

- Implemented features and resolved issues in open-source projects.
- Gained expertise in Git/GitHub through active participation.
- Served as the frontend designer/developer for a user-friendly website, leading to an **11th** place ranking among **100** entries in the inter-college hackathon selection for SIH.
- Improved website code efficiency and speed by **50 percent** .

Electrothon 5.0

April 2023

National Institute of Technology, Hamirpur

- Awarded "**Best Beginner Hack**" among 50+ teams for developing a machine learning-based web app that optimized resource allocation in real-time.
- Led the team in **overcoming technical roadblocks** through effective brainstorming, resulting in a fully functional prototype within a **36-hour** deadline. Enhanced coding skills and deepened interest in software development.
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Projects

HealthPay

Html/Css/Js/NodeJs/MongoDB

Github Link: [Click here](#)

- **100 percent** No-Cost Healthcare: Provides access to medical consultations, treatments, and preventive care without any financial burden through the HealthPay program.
- Reduces appointment booking times by **50 percent** with over **95 percent** of appointments confirmed within minutes, improving overall patient satisfaction by **85 percent**.
- The website features a user-friendly interface, secure patient data management, and real-time appointment scheduling.

E-Commerce Website Development

Python/Django/JavaScript/SQL

Github Link: [Click here](#)

Inspired Project

- Developed a responsive and dynamic product catalog with real-time search and filtering capabilities, enhancing user experience by **40 percent**.
- Implemented secure payment gateways with end-to-end encryption, ensuring a **99 percent** transaction success rate.
- Designed and optimized SQL databases to handle large volumes of transactions, reducing query response time by **30 percent**.
- Implemented a real-time order tracking system, allowing users to monitor their purchases from checkout to delivery.

Programming Profile Links

- [Leetcode](#)
- [Codeforces](#)

Positions of Responsibility / Volunteering

- Secretary at **Computer Science Engineers Society (CSEC) : NIT Hamirpur**
- Event Manager at **Team In4mals Hillfair-cultural fest : NIT Hamirpur**

Interests

- Competitive **Programming**
- Understanding **Software Design and Engineering**
- Other Interests : **Music , Cricket**