

DIP TURKAR

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EDUCATION

B.E. Computer Science, BITS Pilani, Goa Campus

Expected 2024

Relevant Coursework: Data Structures and Algorithms, Database Systems, Object Oriented Programming, Combinatorial Mathematics, Compiler Construction, Computer Networks, Operating Systems

EXPERIENCE

Course Instructor

Nov 2021 - Feb 2022

Center for Technical Education, BITS Goa — TLE Eliminators, Youtube

Remote, India

- **Taught 500+** students concepts related to competitive programming.
- Took upsolving sessions and made topic-specific contests to assist learning.
- Curated homework problems and kept tutorials to assist learning.

Software Development Engineer Intern

June 2021 - Aug 2021

NIRDPR

Hyderabad, India

- **Developed GramSwaraj**, an e-learning platform for rural youth. [GramSwaraj Link](#)
- **Developed pest management portal** for rural areas of Hyderabad with a **team of 6 people**.
- Worked on MVC-oriented back-end with technologies like **PHP, CodeIgniter4, Bootstrap, etc.**

PROJECTS

Compiler Development.

[Github Link](#)

- Developed a full-fledged compiler which translates our language to LLVM/IR
- Implemented **variables, control-flow, output, functions, ternary operators**, etc..

Artificial Intelligence Projects.

- Built Mine Detection and Maze solver AI
- Built Minesweeper AI

[Github Link](#)
[Github Link](#)

Competitive Programming Panel (*in progress*).

- Building a tool to **analyze competitive programming profiles** from various websites.
- Tech Stack - **React, NodeJS, Postgres, ExpressJS, Prisma.**
- Using **Rest APIs** to integrate front-end and back-end.

ACHIEVEMENTS

- Achieved **121 global rank** in [Google Kickstart](#), achieved **rank 368/27,608 people** in [Facebook Hackercup](#)
- **Top 0.41 %tile** in JEE, **Top 0.5 %tile** of Codechef users by rating, **Expert** [🏆](#) on Codeforces, 2175 (**5 star** [🏆](#)) rated on Codechef

EXTRA-CURRICULAR ACTIVITIES

- **Chief Coordinator** | **Algomaniac**: Designed contests and held upsolving sessions to increase CP culture in college
- **Core Member** | **Nirmaan**: Worked with a team of 10 people and taught children from 4th-6th standard in nearby slums.
- Played **badminton and swimming** at the **district level**.

SKILLS

- **Development** - React, Node, Express, MongoDB, Postgres, MySQL, PHP, Git, GitHub, PowerShell
- **Competitive Coding** - C, C++, STL, Problem solving
- **Artificial Intelligence** - Python, Glucose-3, numpy, soupseive
- **Hacking** - Burpsuite, Chrome developer tools, Terminal, Bash