

# ARYAN PATHANIA

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Portfolio · [LinkedIn \(aryanpathania03\)](#) · [GitHub \(aynp\)](#) · [Codeforces \(nand\)](#)

## EDUCATION

**National Institute of Technology, Hamirpur**  
Computer Science & Engineering, B.Tech., CGPA: 8.75

Hamirpur  
Dec 2020 - Present

## EXPERIENCE

### CSEC NITH

Executive

NIT Hamirpur  
Apr 2021 - Present

- Designed problems and wrote editorials for monthly programming contest, Heuristics.
- Volunteered on 'Software Freedom Day', promoted FOSS and installed linux distributions on more than 50 personal computers.

### CodeChef NITH Chapter

Chapter Leader

NIT Hamirpur  
Jul 2021 - Jan 2022

- Worked in a team of 4 to promote competitive programming culture in college.
- Organized workshops on topics 'Introduction to Competitive Programming' and 'STL', each having more than 100 attendees.
- Conducted numerous competitive programming contests like 'Regular Contest 1', 'CP Liftoff' etc, having more than 50 participants each.

### CutefishOS Ubuntu

Contributor

Apr 2021 - Dec 2021

- Managed the dependencies of 10 core applications while porting from Arch base to Ubuntu base.
- Generated .deb packages from PKGBUILD files for all 10 applications.
- Set up GitHub actions, which runs every 12 hours to keep Ubuntu base fork up to sync with Arch base.

## PROJECTS

### Portfolio *Next.js, MDX*

[aynp/portfolio](#)

- Portfolio website to showcase projects, post blogs and frequently used code snippets.
- Created a timeline for important milestones in the career.

### NFT Warranty *Svelte, Ethereum / Solidity, Hardhat*

[aynp/nft-warranty](#)

- Replace physical warranties and have blockchain based warranties using NFTs.
- NFT based warranties prevents forgery and are easy to maintain.
- Customers can easily verify the ownership of warranty and track all repairs and replacements to the product.

### Dracula Wallpapers Website *ReactJS*

[dracula-wallpapers.netlify.app](#)

- Website having collection wallpapers based on the Dracula Theme.
- Created 80+ wallpapers [aynp/dracula-wallpapers](#) (200+ stars).

### Pathfinding Algorithm Visualizer *ReactJS*

[aynp/pathfinding-algorithm-visualizer](#)

- Visualize various pathfinding and maze solving algorithms.
- 4 pathfinding and maze solving algorithms - Dijkstra, A\* Search, BFS, DFS.
- 2 maze generation algorithms - Recursive Division, Random Maze.

### CodeShare *ExpressJS, MongoDB / Mongoose, bcrypt*

[aynp/codeshare-server](#)

- Server for CodeShare (A web app to share formatted code with syntax highlighting online).

## AWARDS

### Google 30 Days of Cloud

Completed Google 30 Days of Cloud on [Qwiklabs](#).

Qwiklabs  
31 Oct 2021

### The Grand Coding Contest

Ranked [495th](#) among 50,000+ contestants in The Grand Newton Contest 2021 by Newton School.

Newton School  
27 Aug 2021

### Teams Code Virtual Programming Contest

Team (no\_AC) Ranked [4th](#) in Summer 2021 Virtual Programming Contest by TeamsCode.

TeamsCode  
1 Aug 2021

### CodeRush Rank 1 from Second Year

Ranked 1st from second year in CodeRush organized by ALGO University.

Algo University  
20 May 2021

## SKILLS

### Programming Languages:

JavaScript, TypeScript, C++

### Frameworks:

React, Next.js, Svelte, Express

### Scripting Languages:

Bash

### Markup Languages:

HTML/CSS, Markdown, LaTeX

### Databases:

MongoDB

### Tools:

Git, GNU/Linux

### Data Structures and Algorithms