

EMPLOYMENT

Software Engineer Intern

HeyCoach Ltd

June 2021 - Aug 2021

HeyCoach is Edtech Startup based in Bengaluru.

- Responsible for **construction and system design** of HeyCoach **Operation's Platform** which is used by students in their program for Assignments, Class Scheduling etc.
- Implemented **REST** architecture and helped in **integration of 3rd party API's** to create a better user experience.
- Formalized **Role-based authorization** and handled database migrations which resulted in improvement of code security and deployment build times by **50%**.
- Worked as a fullstack engineer on technologies such as **Ruby on Rails, React, MySQL, Digital Ocean** etc.

Open Source Contributor

Girlsript Summer of Code

March 2021 - May 2021

Projects - Manthan, GirlCodelt

- Strengthened **Error Detection** by working on unit tests and improving error detection by 50%.
- Introduced UI changes to make website more accessible and engaging to viewers.
- Trained and worked on **Jest, React and Material-UI** and contributed hundreds of lines of code during the program.

EDUCATION

B.E in Information Technology

UIET-H, Panjab University

2019 – 2023

- Bachelor of Engineering: Current **CGPA: 9.0**
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Computer Networks; Object Orientated Programming

PROJECTS

Treadstone Web App

- Developed a Hiking Tour booking application with ability to perform **CRUD** operations on different information pertaining to the tour.
- Established a REST API for the same with functionality of paging, sorting, limiting and filtering etc.
- Debugged application using **Postman** and also created different **Error Handlers** for production and development stages.
- **Tech Used:** Nodejs, MongoDB, EJS, JWT, bcrypt

Expanse

- Created a **Space Research application** to get the daily updates related to space and query for different data.
- Leveraged Server-Side Rendering with the help of **Next.js** and improved loading times by 50%.
- Added search and filters for querying data effectively.
- **Tech Used:** NextJS, React, Tailwind CSS, SSR

Cloth Fits

- Designed a **full stack online clothing store** complete with real credit checkout and functions such as **searching, selling, cart and auth**.
- Utilizes **CMS and Graphql** for querying and adding data and uses Next.js for faster server side rendering of the application.
- Also includes **server side functions** such as authentication, permissions, sending email, uploading images, and charging credit cards.
- **Tech Used:** Next.js, Express, Keystone CMS, GraphQL, Keystone Auth

ADDITIONAL EXPERIENCE AND AWARDS

- Consistently in the top 5% of Class for the past semesters.
- **Competitive Programming:** 3 star Coder on **Codechef** and 5 star coder on **HackerRank**.
- **Selected out of 6000 candidates** for contributing to Open Source by GirlScript Foundation.
- Solved over 300 problems on programming websites such as Codeforces, Codechef and Leetcode.

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** C++, JavaScript, Java
- **Web Technologies:** HTML, CSS, React, React Native, Nodejs, TypeScript, Next.JS, GraphQL
- **Tools/Testing:** Docker, Jest, Git, Linux, Command-Line, Postman, Notion, Slack, Trello
- **Concepts:** Cloud-Computing, System Design, Product Management, Database Engineering
- **Libraries/Databases:** Matplotlib, JWT, bcrypt, Scikit-learn, MongoDB, Postgress