



Yashasav Prajapati

Bachelor of Technology
in Computer Science and Engineering
Indian Institute Of Technology, Ropar

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GitHub | LinkedIn
Portfolio

EDUCATION

| Degree | Institute/Board | CGPA/Percentage | Year |
|------------------------|---------------------------------------|---------------------|-----------|
| Bachelor of Technology | Indian Institute of Technology, Ropar | 8.24 (Till 4th Sem) | 2021-2022 |
| Senior Secondary | Central Board of Secondary Education | 93% | 2021 |
| Secondary | Central Board of Secondary Education | 94.8% | 2019 |

WORK EXPERIENCE

- Vulture Institute** August 2022 - December 2022
React.js, Node.js, Express.js, Firebase, MongoDB **Remote | Code**
 - Developed a user-friendly web application for an institute specializing in competitive exam preparation. Moreover, Implemented robust **user authentication and email verification using Node.js** for seamless login and registration processes.
 - Integrated the **Razorpay payment gateway** for facilitating secure and convenient online transactions seamlessly.
 - Created a comprehensive set of features, including **CRUD courses** and course purchasing capabilities, along with the **ability to upload videos and photos** for various use cases using **Firebase Storage and MongoDB**.

PROJECTS

- Home@U - Homemade Food Ordering Web Service** January 2023
React.js, Firebase **Website | Code**
 - Home@U is a and user-friendly web application for home-made food delivery . Leveraging the power of **React.js and Firebase**, this platform provides a secure interface for users to Order, Sell, Like and Track their past orders.
 - Created secure **login/authentication using Firebase authentication for users to SignIn** using their Google Account and utilized **Firebase's real-time database** for efficiently tracking/storing past orders and liking recipes.
- SkillShow - Skill showcasing platform** July 2023
Next.js, Prisma, Typescript **Website | Code**
 - Built SkillShow, a **Next.js**-based platform, that allows the users to compete and demonstrate their skills in various fields.
 - Leveraged **tRPC and Prisma** for seamless post creation, user-friendly experience, with efficient data management.
 - Designed and integrated robust **Rich text-editor** support utilizing React.js libraries. Implemented seamless **SignIn using Google** functionality, enabling secure user authentication. Additionally, incorporated features to add Skills and Like Posts.
- RISC-V Simulator** February 2023 - April 2023
C, Python **Website | Code**
 - A RISC-V assembly code simulator using **C and Python**, enabling the seamless execution of RISC-V machine code.
 - Added advanced features such as **pipelining, data forwarding, and cache memory support**, for simulating faster execution and memory access times, and with the ability to **read/write data from/to main and cache memory**.
- Minor Projects**
 - Vehicle Routing Solution** A web app to optimize delivery using **Django, React.js** and Google-OR tools for vehicle routing.
 - Image Morphing** An image morphing program that utilizes Delaunay triangulation to morph two images. Employed the triangulation methods to effectively process smaller triangles, ensuring a smooth morphing effect between the images.
 - Image Compression** Employed algorithms for **JPEG and LZW image compression** techniques. Utilized **NumPy arrays** to develop a robust implementation, applying DCT and LZW coding to efficiently compress data into smaller arrays.

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python, HTML/CSS, Java, JavaScript
- Frameworks and Libraries:** React.js, Express.js, Node.js, Firebase, Next.js, MongoDB, TailwindCSS, OpenCV, NumPy
- Developer Tools and others:** VS Code, GitHub, Linux, Heroku, Jupyter Notebook, Google Colab

KEY COURSES TAKEN

- CSE & Maths:** Algorithm & Data Structure, Digital Logic Design, Discrete Math, Programming Paradigms and Pragmatics, Computer Architecture, Probability and Statistics, Linear Algebra, Digital Image Processing, Calculus, Differential Equations
- Others:** Signals and Systems, Professional Communication, Macro and Micro Economics

POSITIONS OF RESPONSIBILITY

- Web-Development Lead**, Software Community, IIT Ropar August. 2022 - April. 2023
- Event Coordinator at Techno-Cultural Fest**, Software Community, IIT Ropar November. 2022 - March. 2023
- Super Coordinator**, Software Community, IIT Ropar June. 2022 - Current
- Mentor**, Institute Student Mentorship Programme, IIT Ropar August. 2022 - Current