

ROHAN GARG

✉ gmail.com [in linkedin.com](https://www.linkedin.com) github.com [portfolio.app](#)

Education

Indian Institute of Technology Roorkee

Bachelor of Technology in Production and Industrial Engineering

Nov. 2020 – July 2024

CGPA: 7.91/10.00

Experience

Intellimation.ai

Software Developer

June 2024 – Oct 2024

- Working with R&D team, developed content detection algorithms for PDF from the base pdf encoded content streams.
- Incorporating Adobe PDF Reader APIs in the codebase for automating PDF, HTML and E-mail extraction functions.
- Made a named entity recognition algorithm, capable of detecting the primary object from structured notes by extracting the major content blocks from content streams

WorldQuant

Part-time Research Consultant

May 2023 – Jan 2024

- Developed several quantitative trading strategy that generated more than 20% annual return over the past ten years
- Backtested and evaluated multiple trading quantitative strategies using historical market data.
- Proven ability to identify and manage risk, with a strong understanding of financial markets and regulatory frameworks.

SageMath

Contributor

Jan 2023 – April 2023

- Implemented algorithm for finding GREEDY and SUPER GREEDY linear extensions of POSETs and Hasse diagrams.
- Enhanced Signed Permutations Class and helper functions for Signed Permutation Group.

Projects

ToDo Web Application | GitHub | *JavaScript, ReactJS, NodeJS, ExpressJS, MongoDB*

November 2024

- Made a Full-Stack ToDo Application, in which user can create todo, view todos, mark todo as done, and delete todos.
- MongoDB is used for the database, backend is written in ExpressJS while Mongoose is used as schema enforcer.
- React is used for the frontend and TailWindCSS for designing.

Weather App | GitHub | *JavaScript, ReactJS, TailWindCSS*

August 2024

- Created an online weather app which can show weather of any city by using OpenWeatherMap API.
- Implemented a Debouncer to control the search stream and an API Aborter to check the race-condition anomaly.
- Rendered weather icons using weather condition codes.

HealthTech GUI | GitHub | *ReactJS, ChartJS, TailWindCSS, javascript*

August 2024

- Designed a web-app for Healthcare professionals to help them in patient's diagnosis and manage medical history.
- Skipped the functionality part for quick iteration and used TailWindCSS and ChartJS for styling.

Technical Skills

Languages: JavaScript, C/C++, Python, HTML/CSS

Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, TailWindCSS

Developer Tools: VS Code, Git, GitHub, Postman

Honors & Awards

HScTSS Scholar (2018) : Haryana Science Talent Search Scholarship awarded by Haryana State Government to students with a scientifically oriented mind.

Extracurricular / Leadership

National Sports Organization

Member

Jan 2021 – July 2024

IIT Roorkee

- Active member of Hockey team and undergone training as Goalkeeper.
- Secured a Gold Medal in the Inter-IIT Sports Tournament, Hockey 2022.