

## EDUCATION

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**Jaipur, RJ** **Arya Institute of Engineering Technology and Management** **Sept 2019-June 2023**

- **Major:** Computer Science, BTech (in-major CGPA 7.2)
- **Programming Coursework:** Algorithms & Data Structures, Operating Systems, Computer Networks, Cloud Computing, Artificial Intelligence

## WORK EXPERIENCE

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**Software Engineer Intern** **Prominence Games** **March-August 2022**

Bringing the metaverse to millions (<https://www.promisphere.io/>)

- Rewrote Axios integration and improved security by saving authentication token in a http-only signed cookie.
- Created a RESTful integration for SSO authentication with the backend and integrated Redux Toolkit as a central state management system along with React Query.
- Integrated Story Book for the frontend design system to test different states of components in isolation with the coverage of 30%.
- Designed 8 UI components and 2 user facing pages for the frontend by following the design system.
- Restructured 15% of the database schema to accommodate new changes throughout the frontend.
- Integrated Ronin API to handle the purchase order flow on the Content Management System.
- Improved 5 UI components by improving the UX through subtle design changes and feedback.
- Leveraged knowledge in Git, **Javascript**, **Typescript**, React, Nest, Umi, Browser Cookie Policies, Network Security and REST architecture.

**Software Engineer Intern** **Ikan Bilis** **August-October 2021**

A Prop Trading Startup based in Singapore (<https://www.linkedin.com/company/ikan-bilis-dao/>)

- Developed a server side application and Integrated Discord-Js library to create a discord integration for the Ikan Bilis Community with 4 features viz moderation, invites stat management, xp tracking and leaderboard.
- Incorporated persistence storage and leveraged caching to store recently used items.
- Implemented AB testing, collected and pipelined data through a customer data platform (Segment) to Facebook Pixel and Google Analytics for analytics with the coverage of 65%.
- Developed a small Proof-of-Concept for load testing the application by incorporating locust.
- Leveraged Knowledge in Git, **Python**, **Javascript**, React, Express, Redis, MongoDB and CronTab.

## PROJECTS

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**Personal Website:** [www.rahulgpt.com](http://www.rahulgpt.com) (for additional information and projects)

**Patterns Webapp (Ecommerce)** (<https://patterns.up.railway.app/>)

- Developed an Ecommerce Webapp using Python and Javascript that allows users to sell and buy digital prints.
- Integrated payment handlers viz stripe and paypal to handle payment processing via different payment options.
- Incorporated persistence data storage to store prints, user checkout, cart and other related information.
- Developed a RESTful backend server enabling Authentication, Storage and Security.
- Utilized: **Python**, **Javascript**, React, Django, Django Rest Framework, AWS S3, Heroku, PostgreSQL, Stripe and Paypal SDK, Cloud Storage and Data Persistence.

**Sorting Visualizer** (<https://vizsort.netlify.app>)

- Developed a visualizer for sorting algorithms in React that allows users to see visual demonstrations of the following sorting algorithms - Bubble, Selection, Insertion, Quick, and Heap Sort.
- Designed the UI in Figma ([DesignLink](#)) and implemented it by using React and styled using CSS.
- Utilized: **Javascript**, React, HTML, CSS and Netlify.

**Strap** (<https://github.com/rahulgpt/strap>)

- Created a Command line tool in Rust to generate templates for React components.
- The tool can be leveraged for generating multi file templates with custom file extensions.
- Implemented feature to generate a configuration file that can be used to change the default behavior.
- Utilized: **Rust**, Clap and Serde.

## SKILLS

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**Software:** (Proficient) Javascript/Typescript, C++, C, Git, Java, SQL (familiar) Rust, Python