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EDUCATION

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

- **Major:** Computer Science, BTech (in-major CGPA 8.2)
- **Programming Coursework:** Algorithms & Data Structures, Operating Systems, Computer Networks, Cloud Computing, Artificial Intelligence

WORK EXPERIENCE

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 an 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

Personal Website: www.rahulgpt.com (for additional information and projects)

Patterns Webapp (Ecommerce) (https://patterns-wa.herokuapp.com)

- 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 interactive 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 CSS.
- Utilized: **Javascript**, React, HTML, CSS and Netlify.

Strap (https://github.com/rahulgpt/strap)

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

SKILLS

Software: (Proficient) Javascript/Typescript, C++, Python, Git (familier) C, Rust, Java, Solidity