RITIK RAJ

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EDUCATION

Dayananda Sagar College of Engineering, Bengaluru   Karnataka, India
B.E Computer Science and Engineering   CGPA : 8.92 (till 8th Sem)   2020-2024

Chinmaya Vidyalaya, Bokaro   Jharkhand, India
Intermediate (10+2) from CBSE   Percentage : 94.4%   2018-2020

EXPERIENCE

Software Engineer Intern | Light and Wonder   Mar 2024 - July 2024
- Developed automation test scripts using the **Fitnesse** Framework on **X-series** protocol to understand the product's codebase in **C++** & **C#** and overall working of **ArgOS** & **EGMs** during the **Capstone** project.
- Worked on the **Operator Menu**, converted over **50+** old handlers to **Websocket** handlers in **C++** and respectively changed multiple screens in the **UI** using **React** and **Typescript**.

Full Stack Developer Intern | Alhansat Solutions Private Limited x IEEE Bombay Section   Sep 2023 - Oct 2023
- Led the end-to-end development of **Hirelogix**, an Application Tracking System (**ATS**), serving as the **Technical Lead**. Guided and groomed a team of **14** interns to ensure seamless tracking of job applications by recruiters.
- Took the lead in designing the **Architecture** and **Database Design** using **Prisma** & **MySQL** and successfully implemented the entire project from **scratch** using **SvelteKit** and **Node.js**

Software Development Engineer Intern | Code InBound LLP   Jun 2023 - Aug 2023
- Implemented crucial features in Network Monitoring System (**NMS**), including Event Emission using **EventEmitter**, Email Sender with **Nest Mailer**, Notification Engine with **Queues**, and creation of Shadow Users using **Typescript, Nestjs** & **PostgreSQL**.
- Written test cases for unit and integration testing using **Jest** by ensuring the quality of many endpoints in **Swagger** that increased the code coverage by **80%**

PROJECTS

FoodHub (Repo) (UI Application)   **(Reactjs, Tailwind, Nodejs, Expressjs, MongoDB, Git, Vercel)**
- Worked collaboratively and Developed a **full stack** application for **food delivery** that offers seamless ordering and real-time updates, providing an efficient and reliable platform for food delivery.

DeCharge (Repo) (UI Application)   **(ReactJs, TailwindCSS, MapsAPI, Ethersjs, Solidity, HardHat)**
- Developed an online Web3 portal for **Decentralise Co Charging Station** to create a network of distributed electric vehicle charging stations for EV users.

Kanban Board (Repo) (Application)   **(Reactjs, Nodejs, Expressjs, MongoDB, Vercel, Tailwind)**
- Developed and deployed a Full Stack application that allows users to efficiently **manage** and **organise** tasks and keep **track of their progress**.

Waste Sorter (Repo) (Application)   **(ReactJs, TailwindCSS, Git/GitHub)**
- Designed **User Interface** for an **open-source** Waste Sorter Management project, enabling waste image submission. The existing ML model identifies waste types and recommends proper color-coded dustbins for disposal.

PROGRAMMING SKILLS

Languages : C/C++, C#, JavaScript, Java, SQL   **Tools :** Git, Grafana, Tailwind, Visual Studio, Perforce
Platforms : MongoDB, GitHub, AWS, PostgreSQL   **Frameworks :** React.js, Node.js, Nest.js, .NET, ASP, MVC

CERTIFICATION

- **Bits Pilani Hackathon**-unstop : developed a Web application *FeedIndia* for users to donate extra or waste food so that it can be use to feed people or make Compost.   (Link)
- CSE Department Hackathon: developed an Android application *Healthcode* that detects the nutrients present in your food and suggest a healthy meal for you.   (Link)
- Participated in **Flipkart GRiD 5.0** - Software Development Track on **Unstop**.   (Link)
- Participated in **TVS Credit E.P.I.C 5.0** (IT Challenge) on **Unstop**.   (Link)
- Solved **300+** problems on Various Coding Platforms Like **GFG**, **CodeChef**, **CodingNinjas** and **Leetcode**.