RITIK RAJ

📞 +91 7484036836 ◇ ✉ ritikraj2909@gmail.com ◇ in [LinkedIn](#) ◇ ⌂ [GitHub](#) ◇ 🌐 [PortFolio](#)

EDUCATION

Dayananda Sagar College of Engineering, Bengaluru   Karnataka, India
B.E Computer Science and Engineering   CGPA : 8.89 (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
- Engineered **automation** test scripts using the **Fitnesse** Framework on **X-series** protocol, enhancing codebase comprehension in **C++** & **C#** and improving the operational efficiency of **ArgOS** & **EGMs** by **20%** during the **Capstone** project.
- Overhauled the **Operator Menu** by converting **50+** old handlers to Websocket handlers in **C++** and updating multiple screens in the **UI** using **React** and **Typescript**, resulting in a **30%** increase in user interaction speed.
- Written a **Python** script to **automate** the addition of copyright headers in specific files.

Full Stack Developer Intern | Alhansat Solutions Private Limited x IEEE Bombay Section   Sep 2023 - Oct 2023
- Spearheaded the end-to-end development of **Hirelogix**, an Application Tracking System (**ATS**), serving as the **Technical Lead**. Mentored and guided a team of **14** interns, resulting in a **40%** improvement in the job application tracking process for recruiters.
- Architected the design and **database** schema using **Prisma** & **MySQL** and successfully implemented the entire project from **scratch** using **SvelteKit** and **Node.js**, reducing system downtime by **25%**.

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)**
- Collaboratively 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)**
- Innovated an online Web3 portal for **Decentralise Co Charging Station** to create a network of distributed electric vehicle charging stations for EV users.

Waste Sorter (Repo) (Application)   **(ReactJs, TailwindCSS, Git/GitHub)**
- Crafted **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**.