

Aryan Raj

aryanin.tech | [LinkedIn](#) | [GitHub](#) | [Leetcode](#)

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EDUCATION

Birla Institute of Technology, Mesra

IMSc. Mathematics and Computing

May 2019 – Present

CGPA- 8.28

TECHNICAL SKILLS AND INTERESTS

Languages:	Java , Python, JavaScript, Typescript, C++
Frontend:	React.js, HTML, CSS, Javascript, Material UI
Backend:	Express, FastAPI, Node.js, REST APIs
Databases:	MongoDB, MySQL, Firebase
Dev Tools:	Postman, Visual Studio Code, Git, Asana, JIRA
Soft Skills:	Ownership, Result Driven, Communication

EXPERIENCE

Software Engineer Intern

Deepsight AI Labs Pvt. Ltd.

July 2023 – Aug 2023

Hybrid – Gurugram, Haryana, India

Deepsight leverages AI to build consumer-facing products and have built **GoDeep** which is a Deep Learning based Computer Vision software which detects objects from live stream. They have secured a remarkable **\$20 million in funding**.

- Proposed the **architecture, and implemented** an end-to-end project of a sophisticated **Visitor Management Solution** with Facial Recognition based check-in, and checkout system.
- This impacted the organisation to have **34% faster registrations** and **reduced manual errors by 70%**, benchmarked against the previous system.
- Designed and executed the entire frontend of the Administrative Dashboard, **incorporating Key Performance Indicators (KPIs)** for data-driven insights and actionable decision-making.
- Proficiently diagnosed and fixed bugs and **critical memory leaks** in the existing software at priority, significantly **boosting performance by 8x**.
- Tools and Technologies:** React, Material UI, FastAPI, Git, Version Control, JIRA, Developer Tools

Software Development Engineer Intern

Prowess

July 2022 – Aug 2022

Remote – San Francisco, California, USA

Prowess, a Silicon Valley-based startup aimed at building a merit-based skills evaluation system for product professionals.

- Built a Resume Parser System** in the profile-building section, which dynamically **auto-populates the fields after parsing the media** through the JSON response from the API.
- Integrated a Stripe payment gateway** to the platform for users wanting to upgrade their plan, and for employers.
- Tools and Technologies:** Javascript, PHP, REST API, JSON, Version Control

PROJECTS

Wealthbridge- Finance Dashboard

React.js, Typescript, Node.js, MongoDB, Machine Learning

[Source Code](#)

- Developed a full-stack finance dashboard with Machine Learning predictions and forecasting abilities **using the MERN stack (MongoDB, Express, React, Node)**
- Utilized **Material UI** to design the components and **Recharts** to visualize the financial data.
- Used **Firebase** to store all the collections and **designed API endpoints** for all the routes.

LocalAlt

React.js, Node.js, Material UI, Firebase

[Source Code](#)

- Developed full-stack application which has two views for customer and vendor which is **authenticated using Firebase**.
- Gives **products filtered by stores** based on the **proximity of the user during that session** using Haversine formula.
- Developed the **backend using Node.js and Express.js** as the framework, and used **MongoDB** to store all the financial and user-specific data.

POSITION OF RESPONSIBILITY

President, Rotaract Club of BIT Mesra

July 2022 – May 2023

- * Spearheaded a team of **170 members**, and conducted socio-cultural events, at the University level.

CERTIFICATIONS AND ACHIEVEMENTS

- Certified Full Stack Web Developer by Udemy
- Reached Finals of Hackout '23, which was an International Open-Track Hackathon and built a complete hack.