

Anurag Dhote

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WORK EXPERIENCE

Rapyuta Robotics Pvt. Ltd

Sep. 2024 – Present (7 Months)

Software Engineer

Chennai, India

- **Refactored** a major piece of C++ code to **ALICA** (A language for Interactive Cooperative agents), an open-source **BehaviorTree.CPP** alternative.
- The refactor led to **40%** productivity improvement for the customers.
- Worked out of the **Tokyo, Japan** office for the initial 3 months, visited customer sites for on-site support to gain **real world** Industrial Automation experience.
- Programmed **parallel robot behaviours** using Robot Operating System (**ROS**) & C++ for the Autonomous ForkLift (AFL) solution of Rapyuta.
- **Stack:** C++; ROS; Linux (Ubuntu); TypeScript (React); Python; Docker

Quantum IT Innovation

Mar. 2024 – May. 2024 (3 Months)

Full Stack Developer Intern

Remote

- Built a complex **student dashboard** for an International Client using React, TypeScript, Node.JS, React-Redux.
- **Delivered 5+** web & mobile frontend projects with an excellent client response.
- **Stack:** JavaScript (React); React Native (Expo); NodeJS (Express); TailwindCSS

PROJECTS & HACKATHONS

JarvisX

[Code](#) | [Link](#)

- Built an **Interactive Command Line Interface (CLI)** for the non-programmers during a **42-hour hackathon** at NIT Trichy (Transfinite 23).
- The CLI **generates & executes** Powershell commands from normal english prompts.
- Commands such as CRUD operations on files and folders, Git commits, making HTTP requests can be performed. Published an [NPM Library](#) of the above CLI.
- **Stack:** **OCLIF** (Open CLI Framework); TypeScript; Node.JS; GitHub

ChatterBox

[Code](#) | [Link](#)

- Implemented a Full-Stack WhatsApp Clone with the MVP features of **Group Chats, Real Time Chats**, Group links.
- Used Google OAuth2 for authentication and authorization of users. Hosted on Vercel.
- **Stack:** **NextJS**; TypeScript; **PostgreSQL**; Prisma; Vercel

EDUCATION

National Institute of Technology, Tiruchirapalli (NIT Trichy)

Dec, 2020 - May, 2024

Bachelor of Technology, Civil Engineering; Minor in Computer Science

Tiruchirapalli, Tamil Nadu

- **GPA: 8.76/10.0; Top 10 in Batch of 150**
- Coursework: Operating Systems, DBMS, Computer Networks, Software Project Management, OOPs
- Part of the Training & Placement team of my batch. Represented department in Chess & Basketball Teams.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:**
 - a. Mastering Data Structures and Algorithms with C/C++ (Udemy)
 - b. The Complete Node.js Developer Course (Udemy)
 - c. Algorithms on Graphs (Coursera)
- **Skills:** C++, ROS, Docker, JavaScript, TypeScript, React, NextJS, React Native (Expo), Git, GitHub
- **Interests:** Reading; Gym; Netflix; Twitter; Debating