

# ANAND RAJARAM

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## EDUCATION

### Vellore Institute of Technology

B.Tech - Computer Science and Engineering

Vellore, India

Sep. 2021 – Aug. 2025

### Sri Kumaran Children's Home

CBSE (Class 12)

Bangalore, India

Apr. 2013 – May 2021

## EXPERIENCE

### SDE Intern

Springworks

July 2023 – Nov. 2023

Remote (Bangalore)

- **Codebase Refactoring:** Increased system speed and code quality by incorporating architectures like Redis, Message Queues, and Dependency Injection, which not only improved the developer experience, but also raised platform stability and performance.
- **Improve Backend Test Coverage:** A 95% backend test coverage was attained across three important Springworks projects, along with the integration of test runners in pre-commit hooks, making sure that developers were always pushing out reliable code, thereby improving stability.
- **Feature Development:** Conceptualized, developed, and implemented numerous feature enhancements and system improvements using Node.js, Slack Bolt API, MongoDB, and Redis. Made use of BullMQ to improve processing of large events such as: sending messages to a large amount of users, maintaining cron jobs for various reminders and notifications, and improving performance by running jobs parallelly in queues.
- **DevOps:** Stayed on call for production issues and helped with integrating SonarQube and Sentry for better code quality and error tracking, along with tools like Cloudflare Tunnels and Ngrok to track request flows on local development environments.

### Open Source Fellow

Major League Hacking - Facebook AI Research

Sep. 2021 – Dec. 2021

Remote

- **MLH Fall Fellowship:** Selected as one among 150 fellows out of more than 20,000 applicants in the MLH Fall Fellowship Program (0.75% acceptance rate).
- **Facebook AI Research:** Worked with the Dynabench team at Facebook AI Research as a full stack web developer, to help make improvements to the existing Dynabench website, as well as implement new features. Made use of Boto3, AWS SQS, Flask, Python, and React to implement new features. Made use of LocalStack to setup a local AWS development environment that I could use.
- **Internal CTF:** Demonstrated outstanding performance in the Fellowship's Capture The Flag event, achieving first place as part of a 2-person team, highlighting excellent cybersecurity skills and an exceptional ability to work collaboratively.

### Student Intern

Cisco

July 2019 – Jan. 2020

Bangalore, India

- **Frontend Development:** Served as the sole Frontend developer within a team of six, and built a production-ready web application from the ground up, with the help of Angular, Angular Material, and AWS.
- **Winners of Cisco Internal Hackathon:** Won the internal Cisco hackathon with "Athena", a bespoke web application designed to intuitively match students with events and opportunities tailored to their interests and strengths.

## PROJECTS

### UniPool | React Native, TypeScript, Go, Fiber, Docker

Jan. 2024 – Apr. 2024

- Developed UniPool, a university carpooling app, facilitating **cost-effective transportation** for students traveling to airports and railway stations during vacations.
- Enhanced campus connectivity and reduced travel costs, with **features for ensuring rider safety**.
- Achieved **more than 100 monthly active users (MAUs)**, promoting a sustainable and community-driven approach to student transportation.

### Cryptic Hunt | *TypeScript, Next.js, Tailwind*

Sep. 2023

- Lead a team of frontend developers to design and deploy a fully functional, mobile first website that had **over 500 concurrent users**.
- Worked with Next.js, React, TypeScript, and Tailwind to design, develop and deploy a game portal **in under 24 hours**.

### CareBridge | *React Native, Expo, Python, HuggingFace, OpenAI, Machine Learning*

June 2023

- Designed and developed the mobile application for CareBridge using **React Native, NativeWind, and Expo**.
- Made use of **HuggingFace and OpenAI** to perform advanced analysis on user inputs and perform **zero shot classification of text**. Also made use of OpenAI Whisper to transcribe and translate user audio through device microphones.
- **Won the Yantra Hack**, largest hackathon organized by VIT.

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, C, C++, Go

**Frameworks:** Next.js, React, Tailwind, Node.js, Express, FastAPI, Flask, OpenAI, Hugging Face, PostgreSQL, MongoDB

**Developer Tools:** Git, GitHub, Docker, AWS, Azure, GCP, Vim

## EXTRACURRICULAR

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### Vice Chairperson

Mar 2022 – Present

*Association for Computing Machinery - VIT*

*Vellore, India*

- Worked on a game event backend and frontend that scaled for **over 500 concurrent users** reliably during the duration of the event.
- Spearheaded the organization and execution of **15+ events and workshops**, fostering technical skills and community engagement among university students.
- Used and taught TypeScript, Node.js, Next.js, Prisma, React Native in my chapter.

### CodeChef - VIT

Mar. 2022 – Jan. 2024

*Full Stack Web Developer*

*Vellore, India*

- Played a pivotal role in the successful execution of South East Asia's largest student-run hackathon by developing an intuitive and user friendly admin interface using Next.js, Tailwind, TypeScript, Tanstack Table, and a mobile friendly UI, which helped in the **management of 1000+ participants**.

### Vellore Institute of Technology

Dec. 2022 – Feb. 2023

*Full Stack Web Developer*

*Vellore, India*

- Created and deployed the frontend and backend for the website of the annual college fest Riviera, which handled a peak load of **over 4000 concurrent users, received 10k+ unique visitors**, and maintained an uptime of 99.9%.

## CERTIFICATIONS

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- **AWS Certified Cloud Practitioner (CLF-C02)** - AWS
- **AWS Certified Solutions Architect Associate (SAA-C03)** (Pursuing) - AWS