Aryan Bharti

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EDUCATION

Vellore Institute of Technology	Vellore, Tamil Nadu
BTech in Computer Science, specializing in Information Security - CGPA: 8.71	*Sep 2022 – Present*
Heera Lal Public School	Delhi
CBSE	*July 2020 – June 2022*

EXPERIENCE

Interact Now	December 2023 - Present
***Backend Developer** link*	*Golang, Fiber, Postgres, Redis*

- Engineered impressions counting using concurrency, minimizing db calls and improving response times by 40%
- Implemented filtering on several routes by modifying the db connection, minimizing data retrieval
- Developed a robust chat system using native WebSocket API's, a 8x efficiency increase over socket.io

YogicEscape	October - December 2023
***Backend Internship** link*	*Strapi, Typescript*

- Build a backend from scratch which involved engineering CMS related functionality
- YogicEscape is a Yoga event manager company based in Germany

PROJECTS AND LEADERSHIP

Vellore Institute of Technology's Tech Team	July – Sep 2023
Frontend Developer for Gravitas's website link	*NextJS, Tailwind, React-spring*

- Developed Gravitas's site, overseeing animations, backend integration, optimization, cutting page load by 40%.
- Integrated with VIT payment portal and identified a security vulnerability, improving security.
- Achieved a user base of over 35,000+ registrations for Gravitas events through the website.

Computer Society of India	July – December 2023
ForkThis Event Coordinator link	*ExpressTS, MongoDB, Webhooks*

- Orchestrated a 100+ open source event. Initiated and guided collaborative projects with 5 POCs
- Conducted a comprehensive interactive lecture on Git's branching commands for the participants
- Solely built and seamlessly integrated the backend with frontend, collaborating on design for a cohesive website.
- Authentication with Github using passportJS. Mailing using Amazon SES. Github webhooks for automation

FFCS Planner	*NestJS, ExpressJS, MongoDB, NextJS, Jest*

- Engineered the entire backend system facilitating timetable sharing among friends, alongwith CRUD too.
- Setup E2E tests with Jest reducing CI time by 40%. Web scraped VIT's course data using beautifulsoup

VinnovateIT	Aug, 2023
MessIT	*ExpressTS, MongoDB, Docker, Postman*

- Managed authentication, user schema design, dockerization and conducted thorough testing using Postman.
- MessIT is used by 30,000+ VIT students for mess timetables.

Regit	January, 2024
Github Blog about ownership in Git	*Golang, Cobra, Git*

- Developed a tool to rewrite Git histories to change ownership of commits.
- Compatible with all Git hosting providers, displaying the dubious ownership identically to a real one.

EXTRACURRICULAR

Yantra Hack organizer and panelist	VIT, Vellore
Organized a SDG based Hackathon with a prize pool of Rs 5,00,000 judging round 2 and 3	*June 2023*
Technical Blog Writer	Medium
Documented 5+ vulnerabilities in IIT Bombay's Moodi and Techfest website in my latest blog.	*Sep 2023 - Present*

TECHNICAL SKILLS

Languages & Frameworks: Typescript, Go, NextJS, NestJS, Express, Fiber, Java, C++, Postgres, MongoDB, Redis
Certificates: AWS Certified Cloud Practitioner (CLF-C02)
CS50x by Harvard University