

B N Yashwanth

Ex-Software Engineering Intern @freshin10 | Full Stack Web Developer (MERN)

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EDUCATION

Dayananda Sagar College of Engineering (DSCE), Bengaluru, India
Bachelor of Engineering (B.E) in **Artificial Intelligence & Robotics**

Sept 2024 – Present (Expected Graduation: 2028)

CGPA: 9.33/10

SKILLS

- **Programming Languages:** C++ (Primary), Python, JavaScript
- **Frontend Development:** React.js, Tailwind CSS, HTML5, CSS3
- **Backend & API Design:** Node.js, Express.js, RESTful APIs, Microservices, JWT Authentication
- **Infra & Tools:** Docker, Docker Compose, REST APIs, JWT Auth, Git/GitHub, Postman, Vercel, Render
- **Database:** MongoDB, PostgreSQL, MySQL
- **AI & Machine Learning:** Agentic AI, RAG (Retrieval-Augmented Generation), LLM API Integration
- **CS Fundamentals:** Data Structures & Algorithms (DSA), System Design, DBMS, Operating Systems, Computer Networks, OOPs
- **Interests:** System Design, Cloud Computing (AWS), Machine Learning

PROJECTS

Yorai (Trading Terminal) | Next.js, React, MongoDB, Tailwind CSS, Zustand

May 2026 – July 2026

[\[Live Demo\]](#) | [\[GitHub Repository\]](#)

- Built a full-stack trading platform replicating Zerodha Kite, integrating a React.js frontend and Python backend to process simulated real-time market data and atomic order executions with sub-200ms latency.
- Engineered a centralized order management system with MongoDB, synchronously updating wallet margins, open positions, and trade histories across concurrent operations with 100% data integrity.

Deep Research AI Agent | Next.js, FastAPI, Python, Gemini LLM, Pydantic

June 2026

[\[Live Demo\]](#) | [\[GitHub Repository\]](#)

- Architected a production-style, multi-agent AI system (Orchestrator, Planner, Researcher, Writer) to autonomously execute complex research workflows, from initial planning and live web search to structured report generation.
- Integrated Gemini LLM and Tavily Search within a FastAPI backend to aggregate real-time data, utilizing Pydantic for strict data validation and the Resend API for automated email distribution of final insights.

RFP-AI-Agent | MERN Stack

December 2025

[\[Live Demo\]](#) | [\[GitHub Repository\]](#)

- Built a full-stack RAG-based system to extract, process, and analyze unstructured RFP data from PDFs and Excel files.
- Designed backend workflows for semantic matching and deployed the application using Vercel, Render, and MongoDB Atlas.

WORK EXPERIENCE

InAmigos Foundation (IAF) | AI Web Development Intern (Remote)

May 2026 – July 2026

- Developing AI-powered web applications to integrate intelligent automation into real-world tools.
- Implementing scalable full-stack solutions to enhance system performance and gain hands-on architectural experience.

Software Engineering Intern - YugaYatra | Bengaluru, India (Hybrid)

Dec 2025 -Feb 2026

- Engineered the LinkCab Admin Portal and internal CRM tools using the **MERN stack**, streamlining administrative workflows and cross-team operational tracking.
- Automated user onboarding by building a KYC verification queue system and robust **RESTful APIs** (Node.js/Express.js) to accelerate backend verification processes.

Software Developer Intern - Freshin10 | Bengaluru, India (Hybrid)

Jan 2026- March 2026

- Led frontend development for a hyperlocal delivery application, optimizing the UI/UX to support rapid order placement and real-time tracking
- Developed core modules for inventory management and order status updates, collaborating seamlessly with backend services for smooth API integration.

ACHEIVEMENTS & OPEN SOURCE

- **Open-Source Contributor:** Actively developed community-driven solutions in the AI/Agents track for Social Summer of Code (SSoC-S5) and Girl Script Summer of Code (GSSoC'26).
- **Google Summer of Code:** Reached the final Interview stage for the 2026 program.
- **Problem Solving:** Solved 900+ DSA Challenges across Competitive Programming Platforms.
- **Competitive Programming:** LeetCode Max Rating **1831** (Top 8% globally) | Codeforces: **Pupil-1261** | CodeChef 2-star: **1280**