

Vanya Awasthi

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EDUCATION

Indian Institute of Information Technology

B.Tech (CSE) - CGPA - 9.38/10.0

Sri City, Andhra Pradesh

Aug. 2023 – June 2027

EXPERIENCE

Hoffero TravTech LLP, Singapore (Remote)

SDE Intern

May 2025 – Oct 2025

NodeJs, Flutter, Firebase, GCP

- Designed and implemented **Instagram webhooks** enabling automated creator messaging at scale. Improved an AI Trip Guide chatbot using **MCP-based architecture**, reducing response latency by **20%**.
- Built and deployed backend services on **GCP (Cloud Run, Cloud Functions)** for reliable production workflows. Integrated **third-party APIs**, wrote test cases, and resolved production issues to improve system stability.

PROJECTS

Milestone | *ReactJs, NodeJs, Redis, MongoDB, Jest, Docker*

[GitHub](#) | [Live](#)

- Built and deployed a full-stack freelance talent marketplace **featuring end-to-end hiring workflows** with job posting, candidate screening, milestone-based payments, and post-engagement feedback, served via **Nginx with CI/CD pipelines** on GitHub Actions.
- Improved API response **performance by 17x using Redis caching**, and containerized the full-stack application using Docker with multi-stage builds.

Cove | *ReactJs, NodeJs, Firebase, Groq, Travily*

[GitHub](#) | [Live](#)

- Designed a **5-agent orchestration pipeline** that decomposes queries into sub-questions, retrieves **10+ verified sources**, and generates structured research reports in **under 60 seconds**
- Engineered a Citation Verifier Agent combining HTTP validation with **LLM-based claim-source cross-checking** across all retrieved sources, assigning **confidence scores and flagging hallucinated or dead citations**.

TECHNICAL SKILLS

Languages: C++, Python, Java, JavaScript, Dart

Web & Mobile: NextJs, ReactJs, TypeScript, HTML, CSS, Flutter

Backend: NodeJs, ExpressJs, REST APIs, GraphQL, Socket.IO

Databases: MySQL, MongoDB, Firebase Firestore

Cloud & Tools: Git, GitHub, Redis, Android Studio, Firebase, Google Cloud Platform, AWS (EC2, S3, Lambda)

CS Fundamentals: Data Structures Algorithms (DSA), DBMS, Operating Systems, System Design

RESEARCH WORK & PUBLICATIONS

A Lightweight Reinforcement Learning Framework for Othello Agents: Exploring Reward Shaping and Efficient Exploration - ICAART 2026 B-ranked conference, Published.

Autonomous Control for Reusable Rocket Landing: Deriving a Robust Guidance through Deep Reinforcement Learning in a Custom 3D Simulation Environment - ICAART 2026 – B-ranked conference, Published.

LEADERSHIP & ACTIVITIES

- Google Developer Group (GDG) Campus Lead:** Served as the GDG on Campus Lead (2025-26), led strategic initiatives including Google Cloud Jam (100+ completions), enabling hands-on learning, and organized 8+ technical workshops and hackathons.

HONORS & AWARDS

Flipkart GRiD 7.0 | *Flipkart*

App-a-thon 2024 | *iLabs, Hyderabad*

National Semi-Finalist

2nd Runner-Up