

# Tarun Vuppala

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## EXPERIENCE

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### Unity Labs AI

Mar 2025 - Jun 2025

*Software Developer Intern*

- Developed a Premiere Pro Auto-Edit plugin that can decrease podcast video editing time from 3 hours to under 8 minutes.
- Delivered build binaries that are ready for deployment, optimized for reliability, scalability for professional creators.

### Front Interactive Pvt. Ltd.

Jun 2024 - Feb 2025

*Software Developer Intern*

- Developed production-level backend systems, providing robust APIs, scalable architecture.
- Collaborated with cross-functional teams in an Agile Scrum team, adding to iterative feature releases.
- Helped design and optimise system architecture decisions and optimization for performance in production environments.

## PROJECTS

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### Trimly.ai - Intelligent semantic filtering tool | *Next.js, LLaMA 3.2, Ollama, Node.js, pdf-parser*

- Developed an app that smartly filters content using LLMs from books and documents.
- Built a processing pipeline that applies semantic logic to maintain up to 90% structural integrity with a reduction in size by 30-50% in length.
- Enables up to 5x faster content review and improving productivity for students and professionals.

### Acethletics - Centralised Athletic Sports Platform | *Next.js, React Native, Node.js, MongoDB, Socket.io*

- Developed and implemented a scalable backend using Node.js and Express that is optimized for concurrency and modularity.
- Implemented WebSockets for live updates and integrated atomic database transactions for data consistency in multi-step operations.
- Applied SOLID principles and ensured that the code is DRY, KISS, and YAGNI compliant to have a clean and maintainable codebase.

### QuickFuel - On-demand fuel and service booking system | *React.js, Node.js, MongoDB, Express.js, JWT, Socket.io*

- Designed an web platform for fuel and vehicle service booking with GPS scheduling and order tracking.
- Structured a scalable backend architecture capable of handling high-traffic operations reliably.

## SKILLS

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- **Core Programming:** Java, Python, C, JavaScript, TypeScript, SQL
- **Technologies & Frameworks:** Next.js, Node.js, React.js, React Native, Express.js, Socket.io, GSAP, Three.js/R3F, WebSockets, JWT, REST, Prisma
- **Systems & Database:** PostgreSQL, MySQL, MongoDB, Redis
- **Tools & Cloud:** Git, GitHub, Docker, AWS, CI/CD Pipelines, Postman, Figma, Supabase

## EDUCATION

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### ACE Engineering College

*Bachelors of Techechnology (B.Tech) in Computer Science and Engineering*

Hyderabad, IN

Nov 2022 - May 2026

## EXTRA-CURRICULAR

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- **TEDxACE Engineering College** - Co-Organizer managing speaker outreach, sponsorships, and event coordination.
- **Hackathon** - Runner-Up Secured in UiPath Hack-a-Bot 2023 for developing an effective and strong automation.
- **AICTE** - Reached Finalist stage in Yukti Innovation Challenge 2023 with a innovative product idea.
- **Certifications** - Cisco Python and CCNA, Smart Interviews Advanced DSA, Wipro Full-Stack Java