

DEVINENI YUGASH

Tirupati Urban, Andhra Pradesh, India

Email: yugash05@gmail.com | LinkedIn: LinkedIn | GitHub: GitHub

PROFILE SUMMARY

B.Tech student in Computer Science Engineering (AI & ML) with exceptional academic performance (CGPA 9.59) and strong foundation in algorithms and problem-solving. 2x Hackathon winner with hands-on experience building and deploying AI-powered applications using modern development practices including prompt engineering, agent-driven development, and spec-driven development. Currently serving as Founding Engineer and Executive at an early-stage technology startup. Demonstrated expertise in graph algorithms and data structures with mid-level DSA proficiency. Passionate about AI/ML engineering, production systems, and building ethical technology solutions. Active technical leader with proven ability to organize events, conduct workshops, and mentor peers.

EDUCATION

Mohan Babu University 2024 – 2028

Bachelor of Technology (B.Tech) – Computer Science Engineering (AI & ML)

CGPA: 9.59/10

Sri Chaitanya Junior College Intermediate (Class XII) – Percentage: 93.7%

EXPERIENCE

AatonovaZ PVT LTD February 2026 – Present

Founding Engineer and Executive August 2026 – Present

- Serve as core founding team member driving technical architecture and executive strategy for early-stage technology startup.
- Lead engineering initiatives while contributing to executive-level decision-making, business development, and operational planning.
- Architect and build product infrastructure, translating business vision into scalable technical solutions.
- Drive cross-functional coordination between engineering, strategy, and operations to accelerate company growth.

Executive Associate Intern February 2026 – August 2026

- Supported executive operations and strategic initiatives at early-stage technology startup.
- Assisted in business development, operational planning, and cross-functional project coordination.
- Contributed to decision-making processes through research, analysis, and documentation of key business insights.
- Promoted to Founding Engineer and Executive based on strong performance and technical contribution.

IEEE Computational Intelligence Society (IEEE CIS) December 2025 – Present

Student Coordinator

- Coordinate and organize technical events, workshops, and seminars focused on Artificial Intelligence, Machine Learning, and computational intelligence topics.
- Lead development and maintenance of student-facing web platform for event registration, information dissemination, and community engagement.
- Collaborate with faculty mentors and student coordinators to ensure seamless execution of chapter activities and technical sessions.
- Drive initiatives to increase student participation and engagement in AI/ML learning opportunities.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++

Data Structures & Algorithms: Arrays, Linked Lists, Trees, Graph Algorithms (DFS, BFS, Shortest Path), Dynamic Programming, Greedy Algorithms – Mid-level proficiency with strong expertise in Graph Theory

AI / ML: Machine Learning fundamentals, AI API integration, Prompt Engineering, Agent-Driven Development, Spec-driven development

Data Analysis: Pandas, NumPy, Matplotlib

Web Technologies: HTML, CSS, React, TypeScript

Tools & Systems: Linux, Git, AI Tools

Databases: MySQL, SQLite

PROJECTS

AI Arena – AI-Powered Study Companion (GitHub Repository) *Hackathon Winning Project / Live Deployment*

- Developed and deployed AI-powered study assistant that converts educational content into structured learning materials including flashcards, quizzes, and concept maps.
- Engineered prompt engineering pipeline using Google Gemini API for consistent and high-quality AI-generated outputs.
- Implemented intelligent caching using document hashing to optimize API usage and reduce processing costs by preventing duplicate requests.
- Built rate-limited batch processing system with API key rotation to operate within free-tier constraints.
- Designed offline-first architecture with local storage and optional cloud synchronization using Firebase.
- Deployed production application on Vercel with environment-based configuration.
- **Tech Stack:** Python, Google Gemini API, Firebase, Vercel

ACHIEVEMENTS & LEADERSHIP

- 2x Hackathon Winner (including AI Arena project)
- IEEE Computational Intelligence Society Coordinator – organized AI/ML technical events and workshops
- Prompt Engineering expertise – instructed workshop on AI-assisted development workflows
- Active contributor to student technical initiatives and clubs

ADDITIONAL INFORMATION

Languages: English, Telugu, Hindi

Interests: Artificial Intelligence, Generative AI