

# Abhiram Kanna Seelamanthula

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## ABOUT ME

Creative professional with a passion for problem-solving, continuous learning, and collaborative development through pair programming. Skilled at blending technical expertise with creativity to deliver innovative solutions and drive impactful results.

## EDUCATION

**Gandhi Institute of Technology and Management, Visakhapatnam, India.**

*Bachelors in Artificial Intelligence and Machine Learning*

**2021 – 2025**

**Certifications:** C Programming (G.I.T. – 2016), Full Stack Java Development (Datapro Pvt. Ltd. – 2022)

**Capstone Project: Automatic Segmentation of Pancreas and Pancreatic Tumor Using 3D U-Net**

- Designed a pancreatic tumor segmentation system using 3D U-Net, incorporating advanced data augmentation and a parallel training approach with three models trained on overlapping dataset portions to improve segmentation accuracy.

## SKILLS

**Frameworks:** Next JS, React JS, Node JS

**Programming Languages:** HTML, CSS, C, Python, SQL, Java, JavaScript

**Database:** MySQL, MongoDB, PostgreSQL (Native, Supabase)

**Notable Achievements:**

- Creative Advisor – Entrepreneurs' Club 2023 – 25
- Public Speaking – Conducted multiple professional seminars, including 'Productivity Tools for Entrepreneurs,' two workshops on video editing, and one on 'Principles of Design'

**Achievements:** Winner at IIAM Pinnacle 2025 Incubation Business Pitch, Top 3 in SUS HACKS, Placed 6<sup>th</sup> in Campus-wide Career Training Program.

**Creative Skills:** Graphic Design, Video Editing, Sound Design, Photography & Cinematography

**Voluntary work:** Deployed a custom Event Ticketing System for university-wide events, managing 3,000+ participants, and collaborating with multiple startups to support design and ideation efforts.

## EXPERIENCE

**Verbrate Creative Studios (Startup) – Developer & Operations**

**Feb 2025 – Present**

**Project: AV Champs (Website + App)**

**May 2025 – July 2025**

- Developed and deployed a full-stack web platform using Next.JS with 12+ integrated modules in just 8 weeks, as part of a 2-person team, by leveraging AI-assisted development tools for prototyping, testing, and deployment—delivering fast feature rollouts including e-commerce, career portal, events management, forums, and a site-wide gamified rewards system
- Led backend architecture using Supabase and custom Bun microservices, deployed to a private VPS for scalable and cost-efficient performance—streamlining operations with automated invoicing, real-time notifications, targeted ad systems, and email workflows, while reducing infrastructure costs by 50% through AI-powered backend development strategies.

**Maple Software Pvt. Ltd. – Summer Intern**

**Project: Semantic Search Engine (GitHub)**

**May 2024 – June 2024**

- Designed and implemented a semantic search engine, optimizing query vectorization and indexing to reduce response times by 40%.
- Improved search relevance using NLP techniques combined with self-optimizing search pipeline, improving the accuracy of retrieved results by 30% with better search context awareness.

**Why Us Media (Startup) – Creative Lead**

**July 2024 – October 2024**

- Directed artistic vision and enhanced content strategies, increasing brand visibility by 40% and doubling media pipeline efficiency.
- Led a team of 5 in producing multiple reels and a major ad shoot for Local Hungama, delivering high-quality content on schedule.

## PERSONAL PROJECTS

### Project: Active Chat ([GitHub](#))

- Developed a serverless chat platform using Next.js and Supabase, integrating Google OAuth for secure authentication.
- Implemented anonymous, private chat rooms with real-time functionality to disconnect users and clear chat history upon exit, ensuring enhanced user privacy.

### Project: Event Ticketing System + Check-In Application ([GitHub](#))

- Created a system that pulls user details from the database, generates QR code tickets, and sends personalized emails with the ticket, details attached onto the custom email template, with a rate-limiter to avoid spam.
- Paired with a fast Flutter-based Android & Web Application for both Android and iOS (via web-install) to check-in attendees while optimizing transaction handling, resulting in zero response-errors and quick check-in & out.