Kaushik Surya Kolipaka

Junior Software Developer | Generative AI | AI/ML | Computer Vision

M.Tech – Artificial Intelligence and Machine Learning

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SUMMARY

Computer Science graduate currently pursuing an M.Tech in Artificial Intelligence and Machine Learning, with professional experience in software development and Generative AI. Hands-on experience in developing full-stack applications, integrating pretrained AI models, and building computer vision and AI-powered solutions. Familiar with Python, Java, modern web technologies, backend API development, database management, and AI-assisted software engineering. Interested in building scalable software products and practical AI-driven applications.

EXPERIENCE

Blochive Technologies — Junior Software Developer / AI-Assisted Developer *June 2026 – Present*

- Contribute to the design, development, and maintenance of software applications using AI-assisted development practices.
- Collaborate with engineering teams to develop, test, and enhance application features.
- Utilize generative AI coding assistants to accelerate development workflows and support code quality.
- Participate in debugging, code reviews, and quality assurance to improve application reliability and maintainability.
- Apply modern software development practices to solve practical engineering problems.

T-HUB, T-Consult — Generative AI Engineer Intern *April 2026 – June 2026 (2 months)*

- Completed a two-month internship working with Generative AI tools and techniques to support digital operations.
- Managed and maintained organizational presence across multiple social media platforms through content planning and publishing.
- Maintained company websites, ensuring content accuracy, functionality, and consistent user experience.
- Collaborated with cross-functional teams to incorporate Generative AI capabilities into content creation and operational workflows.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, SQL
- **AI & Generative AI:** Generative AI, Pretrained AI Model Integration, AI-Assisted Development, Model Inference
- **Machine Learning:** Machine Learning Fundamentals, Deep Learning Fundamentals, Model Evaluation
- **Computer Vision:** Human Detection, Object Detection, Object Tracking, Video Analytics
- **Frontend Development:** React.js, Next.js, HTML5, CSS3, Bootstrap
- **Backend Development:** Node.js, Express.js, REST API Development
- **Databases:** PostgreSQL, MongoDB, Supabase
- **Cloud & Tools:** AWS, Linux, Git, GitHub, AtaccamaONE, OpenDQ (using Talend)

PROJECTS

DeepSafe AI Forensics — Multimodal Deepfake Detection Platform

Artificial Intelligence | Generative AI | Digital Media Forensics

- Developed an AI-powered media forensics platform to analyze potentially manipulated images, videos, and audio.
- Integrated pretrained and third-party AI detection models through a unified model integration and inference architecture.
- Designed separate training and inference workflows to support model management and independent execution of detection pipelines.
- Built multimodal media analysis workflows to assess digital media authenticity, with a focus on inference reliability and consistent detection results.

  Technologies: Python, Pretrained AI/ML Models, Model Inference Pipelines

CrowdVision AI — Real-Time Crowd Analytics System
Computer Vision | Machine Learning | Video Analytics

- Developed a computer vision system for detecting and counting people from live or recorded video streams.
- Worked on human head detection and crowd-counting workflows, handling people in different activities and postures such as walking, running, and sitting.
- Implemented object tracking and frame-to-frame association to reduce duplicate counting.
- Focused on detection consistency, counting accuracy, and real-time video analytics.

  Technologies: Python, Object Detection, Object Tracking

School ERP — Enterprise School Management System
Full-Stack Development | Enterprise Application

- Developed an end-to-end school management platform with dedicated portals for administrators, teachers, students, and parents.
- Implemented student attendance workflows with academic session management.
- Developed finance modules covering fee structures, collections, dues, discounts, receipts, payments, and expenses.
- Implemented authentication, role-based access control, database security policies, and audit functionality.
- Developed REST APIs and database integrations for school administration.

  Technologies: React, Vite, TypeScript, Node.js, Express.js, Supabase, PostgreSQL

Connect My Career

- Developed a job listing portal connecting job seekers and recruiters.
- Created a responsive interface supporting job discovery, campus drives, and recruitment coordination.

  Technologies: HTML, CSS, Bootstrap

Connect And Cure

- Developed a doctor appointment booking application with user registration and appointment scheduling.
- Built responsive frontend interfaces and backend APIs for appointment and data management, with MongoDB for persistent storage.

  Technologies: MongoDB, Express.js, React.js, Node.js, HTML, CSS, Bootstrap

EDUCATION

M.Tech – Artificial Intelligence and Machine Learning *2026 – Present*
Malla Reddy Vishwavidyapeeth

B.Tech – Computer Science *2021 – 2025*
Keshav Memorial Institute of Technology (KMIT) | CGPA: 7.3

Class XII *2021 — Percentage: 80%*
Class X *2019 — CGPA: 9.2*

CERTIFICATIONS

- AtaccamaONE – Master Data Management (MDM) Consumer Certificate
- AtaccamaONE – Data Quality Governance (DQG) Consumer Certificate
- Linux Certification

LEADERSHIP AND ACTIVITIES

- **Traces Of Lenses (TOL), KMIT:** Photography Club member; participated in creative photography activities and events.
- **NSS KMIT:** Volunteer in community service and social welfare initiatives.
- **RITI Fashion Club:** Participated in college events and supported event permission coordination.