

MANDAVILLI PAVAN SEKHAR

✉ pavanmandavilli2401@gmail.com ☎ 8074984348 📍 Bangalore 🔗 pavan-portfolio

🌐 pavan-sekhar-mandavilli 🔄 Pavanmandavilli 📅 24 Jan 2004

PROFILE

Aspiring TensorFlow Developer with a strong foundation in Artificial Intelligence, Machine Learning, and backend development. Possess excellent problem-solving skills and a passion for software development. Eager to contribute my skills to impactful projects within a forward-thinking company, while continuously enhancing my technical expertise. My studies and knowledge will help drive innovation and growth within your organization.

SKILLS

Languages : Python, Java, C, SQL.

ML Frameworks : TensorFlow, Pytorch, Scikit-Learn.

AI & Machine Learning Stack : Machine Learning, Deep Learning, Open Source llms(Hugging Face)

Vector DataBases : PineCone, Chroma DB.

Frontend & Backend : SpringBoot, ReactJS, JavaScript, HTML, CSS.

DataBases : MySQL, PostgreSQL.

Soft Skills : Team Management, Problem Solving, Leadership, Creative, Enthusiastic, Smart Working.

PROFESSIONAL EXPERIENCE

Software Developer Trainee, Kapture CX 12/2024 – present | Bangalore

- Developing and maintaining scalable backend solutions, optimizing APIs, and managing databases to ensure efficient system performance.

Director of Technology, Kognitiv Club, KL University 08/2023 – 08/2024

- Planning and Organizing AI events, collaborating on AI projects with senior guidance and continually learning and exploring various AI branches to enhance my skills.
- Managing the day-to-day activities of the club and mentoring the members in the domain of AI and ML.

EDUCATION

B.Tech Artificial Intelligence and Data Science, KL University 07/2021 – 05/2025 | Vijayawada

Board Of Intermediate, Sri Chaitanya Junior Collage 06/2019 – 05/2021 | Kakinada

PROJECTS

Telegram Secure Cam 08/2023 – 10/2023

- Developed a computer vision-based security solution using OpenCV, enhancing CCTV systems to detect suspicious activities and increasing **threat detection accuracy by 92%**.
- Implemented a deep learning model and integrated a **real-time notification system** via Telegram, reducing homeowner response time to **potential threats by 88%**.

Doc Mania 07/2024 – 07/2024

- Developed **Docmania** using **Streamlit, Python, and ChromaDB**, implementing **Retrieval-Augmented Generation (RAG)** to process documents **70% faster** and retrieve relevant information efficiently.
- Enhanced document search and retrieval accuracy, improving knowledge discovery and user productivity by **90%** through AI-powered similarity matching.

Genius Gauge 📄 03/2024 – 03/2024

- Developed **Genius Gauge** using **Google Generative AI, LangChain, and Streamlit** to create an intuitive interface that analyzes resumes against job descriptions.
- Enhanced resume quality and job matching efficiency, leading to a **95% increase in user satisfaction** and **90% improvement in job application success rates**.

CERTIFICATES

TensorFlow Developer Certificate 📄

Certified TensorFlow Developer with expertise in building, training, and deploying deep learning models for real-world applications.

IBM Python Certification 📄

Certified in Python programming by IBM, demonstrating proficiency in writing efficient, scalable, and robust Python applications.