Krishnanshu Khanna

Bachelor of Technology
Computer Science and Engineering spl. IoT
Vellore Institute of Technology, Vellore

krishnanshu.site +91-6284043938
krishnanshu.khanna@email.com
linkedin.com/in/krishnanshu-khanna
github.com/Krishnanshu-Khanna

EDUCATION

- **B.Tech., Computer Science and Engineering (IoT Specialization)** — *CGPA: 9.25*
  Vellore Institute of Technology, Vellore — September 2022 – July 2026
- **Senior Secondary (12th)** — *Percentage: 93%*
  GMSSS-21A, Chandigarh — July 2022
- **Secondary (10th)** — *Percentage: 94%*
  Bhavan Vidyalaya, Panchkula — July 2020

PROJECTS

- **MELDify Video Sentiment Analyzer – Multimodal Emotion Detection** — *June 2025*
  Tools: FastAPI, Docker, AWS EC2, S3, SageMaker, BERT, TensorBoard, Tailwind CSS, Auth.js, Next.js
  - Developed a pipeline for video, audio, and text sentiment classification using BERT and multimodal fusion; trained on AWS SageMaker.
  - Dockerized FastAPI backend deployed on EC2 exposed private backend services securely over the internet using Ngrok with NextAuth login, personal API key management, real-time quota tracking, and Tailwind CSS UI.
- **CVHelper – AI-powered Resume Builder** — *April 2025*
  Tools: Next.js, TypeScript, PostgreSQL, Prisma, Clerk, Stripe, Langchain, Pinecone, OpenAI, Vercel
  - Developed a full-stack resume builder with AI-powered content generation, RAG-based chat via Langchain, drag-and-drop UI, and real-time PDF export.
  - Integrated Gemini API for smart interview Q&A, Clerk for authentication, Stripe for payments, and PostgreSQL + Prisma for scalable data persistence.
  - Achieved 250+ active users, 2.9K+ events, 1.4K+ views, and an average session engagement of 1.46 minutes.

EXPERIENCE

- **DIC MDaRT Lab, UIET Chandigarh** 🌐 — *June 2025 – July 2025*
  Summer Research Intern – Multimodal Skin Disease Detection System — On-Site
  - Collaborated on data preprocessing, cleaning textual + image datasets and contributed to the development of a multimodal AI model to detect and classify 22 skin diseases using both image and clinical text inputs.
  - Designed and implemented a prototype chatbot interface, streamlining remote triage support for 20+ skin conditions.
- **Ernst & Young LLP** 🌐 — *June 2024 – July 2024*
  Summer Intern – ERP Awareness in Power Sector — Remote
  - Created an in-depth ERP solutions report focused on SAP implementation in power utilities (UHBVNL & DHBVNL).
  - Researched ERP modules, implementation strategies, and presented insights to project mentors and HR.
- **keyNcoders, VITTBI** 🌐 — *April 2024 – July 2024*
  Frontend Developer Intern — Hybrid – Vellore
  - Built 10+ reusable React.js components, improving development speed by 30% across 2 production-grade applications.
  - Integrated REST APIs and optimized performance for production-grade web applications.

SKILLS

- **Languages**: Java, JavaScript, TypeScript, Python
- **Frameworks/Tools**: React.js, Next.js, Node.js, Prisma, MongoDB, Docker, AWS, Git
- **ML/Data**: TensorFlow, Langchain, OpenCV, Scikit-learn, Pandas

CERTIFICATIONS

- **DeepLearning.AI**, Machine Learning Specialization — *March, 2024*

POSITIONS OF RESPONSIBILITY

- **Vice Chairperson,** Soft Computing Research Society, VITV — *January 2024 – December 2024*