

TANISHK KUSHWAH

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SKILLS

- **Programming Languages:** JavaScript (ES6+), Python, Java, SQL, HTML5, CSS3
- **Frameworks & Libraries:** React.js, Node.js, Express.js, MongoDB, Mongoose, Tailwind CSS, Flask, Pandas, NumPy
- **AI & Machine Learning:** Machine Learning, Deep Learning, Large Language Models (LLMs), NLP, RAG, Neural Networks, Model Training & Evaluation
- **AI Tools:** PyTorch, TensorFlow, scikit-learn, OpenAI APIs, Hugging Face Transformers, LangChain
- **Tools & Concepts:** Git, GitHub, VS Code, Postman, Cloudinary, Vercel | RESTful APIs, JWT Auth, RBAC, MVC Architecture, OOPs, DSA

WORK EXPERIENCE

Full-Stack Developer & AI/ML Intern | Self-Employed *2023 – Present*

- Developed and deployed 4+ full-stack web applications using MERN stack with MongoDB, Express.js, React.js, and Node.js.
- Implemented secure JWT authentication and role-based access control; integrated Cloudinary achieving 40% faster media load times.
- Applied Machine Learning and Deep Learning models using Python, PyTorch, and scikit-learn achieving 87% prediction accuracy.
- Integrated Large Language Models (LLMs) and NLP into web apps; implemented RAG pipelines for real-time knowledge retrieval.

PROJECTS

Heart Health Companion – ML & Web Application

- AI-powered cardiovascular risk system training Logistic Regression, Random Forest, and Neural Network models at 87% accuracy.

Technologies: Python, scikit-learn, TensorFlow, Flask, Pandas, NumPy

VideoTube – AI Video & Shorts Creation Platform

- YouTube-like streaming platform with secure auth, subscriptions, comments, and AI-driven content recommendations.

Technologies: React.js, Node.js, Express.js, MongoDB, Cloudinary, JWT, RESTful APIs

Healthcare Management System

- Enterprise-grade healthcare platform with RBAC supporting 500+ concurrent users and ML-based patient data analysis.

Technologies: React.js, Node.js, Express.js, MongoDB, JWT, RBAC, Python, scikit-learn

Monastery 360 – Full-Stack Web Platform

- Management system with responsive UI and ML pipeline for data trend prediction and pattern recognition on real-world data.

Technologies: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Python, scikit-learn

EDUCATION

Lakshmi Narain College of Technology *Nov 2023 – May 2027*

B.Tech in Computer Science – AI & Data Science | CGPA: 8.31/10

Coursework: DSA, DBMS, Artificial Intelligence, Machine Learning, Deep Learning, NLP, OOPs, Web Development

ACHIEVEMENTS & ACTIVITIES

- Solved 200+ Data Structures & Algorithms problems on LeetCode and GeeksforGeeks.
- Active member of Coding Club at LNCT — competitive programming events and hackathons.
- Completed hands-on projects applying Deep Learning and LLM-based solutions to real-world problems.