Kothuri Venkata Srujan

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Available: *May 2026 Onwards*

EDUCATION

Northeastern University, Khoury College of Computer Sciences — Boston, MA
Khoury College of Computer Sciences — Sep 2025 – May 2027 (expected)
Candidate for a Master of Science in Computer Science
Related courses: Programming Design Paradigm, Database Management Systems

PES University — Bangalore, India
Bachelor of Technology in Computer Science — Oct 2021 – May 2025
GPA: 3.97/4.0
Related courses: Data Structures, Algorithms, Operating Systems, Computer Networks, DBMS, Compiler Design, Topics in Deep Learning, Information Retrieval Algorithms, Cloud Computing

TECHNICAL KNOWLEDGE

Languages: Python, C, C++, Go, Java, JavaScript, TypeScript, SQL, R, HTML, CSS
AI/ML & NLP: Transformers, LangChain, TensorFlow, PyTorch, scikit-learn, FAISS, RAG, prompt engineering
Frameworks: Flask, FastAPI, Streamlit, React, Next.js, Node.js
Data & Systems: NumPy, Pandas, Spark, Hadoop, Kafka, ZooKeeper
Databases: PostgreSQL, MySQL, MongoDB
Cloud & DevOps: AWS, Docker, Kubernetes, Git/GitHub, SQLAlchemy

WORK EXPERIENCE

Zenshastra Software Services Pvt. Ltd. — Bangalore, India
AI/ML Intern — Jan 2025 – Jun 2025

- Built end-to-end AI features with Python, Flask/FastAPI, SQLAlchemy, and MongoDB for data-backed services.
- Delivered multiple products: PDF extractor & summarizer, 10-Q report extractor, and AI agents for workflow automation.
- Evaluated and fine-tuned local LLMs for task-specific optimization; experimented with prompt routing and PEFT.
- Designed RAG pipelines with custom chunking, embeddings, and FAISS variants to improve grounding and response fidelity.

PES University — Bangalore, India
Research Intern — May 2024 – Jul 2024

- Researched legal AI, NLP, and full-stack development; implemented ML/NLP models, web apps, and predictive pipelines.
- Built a judgment-prediction system for Indian legal cases (XLNet + BiGRU) achieving ∼75% accuracy, with summarization, topic modeling, and model explanation.
- Developed **HIVE**, a Flask-based hub with real-time chat, notes, and file sharing (Tailwind-CSS/Bootstrap/Socket.IO).
- Implemented a heart-disease prediction pipeline (Logistic Regression, SVM, Random Forest, LightGBM) with feature engineering and ensemble analysis.

PROJECTS

PageMaster — Multilingual PDF Chatbot GitHub
LangChain, FAISS, Python, Streamlit, Google Gemini

- Built a context-aware Q&A system over PDFs with multilingual support and both speech/text I/O.
- Implemented rapid summarization, chat history, and a modern Streamlit UI for non-technical users.

Prompt Refinerz GitHub
FastAPI, JavaScript, Python

- Developed a tool that generates multiple refined prompt variants using different LLMs and auto-scores them (0–100).
- Exposed REST APIs to integrate prompt evaluation into downstream applications and workflows.

Legal Case Prediction & Explanation GitHub
XLNet, Mistral, TensorFlow, Python

- Engineered an end-to-end system for legal judgment prediction, explanation, and summarization for Indian case law.
- Used InLegalBERT for summarization and a legal chatbot interface to support both naive users and legal professionals.

INTERESTS / ACTIVITIES

- Awarded the MRD Merit Scholarship for five consecutive semesters for exceptional academic performance during the bachelor's program.
- Published technical paper "Automating Court Judgement Prediction and Explanation for Indian Legal Cases" in ICDSA 2025
- Interests: AI agents, NLP, data-driven products, full-stack development.
- Personal: Badminton, photography, exploring Boston, and following financial markets.