

Kamal Sundar SK

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 9791013904

EXECUTIVE SUMMARY

Computer Science Engineer with hands-on experience in software development. Skilled in building scalable software solutions, with expertise in integrating AI-driven components to enhance performance. Improved system reliability by up to 30%, and designed data-driven pipelines and algorithmic systems achieving 10-20% efficiency gains and measurable accuracy boosts in ML modules.

PROFESSIONAL EXPERIENCE

National Small Industries Corporation(NSIC), intern

2024 | Chennai, India

- Designed and optimized end-to-end data pipelines for data collection, cleansing, and preprocessing, utilizing Python and Pandas to boost data integrity by 25% and increase processing throughput by 10%.
- Enhanced and fine-tuned deep learning model architectures, driving a 16% uplift in classification accuracy through targeted hyperparameter optimization and architectural refinements.

PROJECTS

Cometx (Fake news detection), nexus labs ↗

- Engineered a misinformation detection platform integrating backend services with modular ML components for real-time analysis
- Applied GNN for network patterns and ViT for media verification, achieving 92% accuracy and improving credibility assessments by 70% with HEMMR

ClaimwiseAI, Bajaj Finserv hackrx ↗

- Developed an LLM-based semantic search system, improving query accuracy by 35% and reducing response time by 40%
- Designed a dual-LLM architecture with embeddings for query matching and response generation, boosting relevant answer retrieval by 30%

PUBLICATIONS

Hybrid Neural Network Approach Using LSTM and XGBoost for Network Intrusion Detection and Classification ↗

Published research on hybrid deep learning models (LSTM + XGBoost) for network intrusion detection – showcasing experience in network data processing, model optimization, and large-scale data handling.

SKILLS

Programming – Python, Java, C, C++

Frameworks and libraries – TensorFlow, PyTorch, Scikit-learn, FastAPI

tools and technologies – Docker, Docker Compose, Apache Kafka, Apache Flink, Redis, Git

Database: – MongoDB, MySQL

EDUCATION

SRM Institute of Science and Technology, Vadapalani, B.Tech - Computer Science and Business Systems

present | Chennai, India

GPA: 9.20 | Chennai, India | Present

St. John's English School & Junior

College, Besant Nagar,

High School Diploma (Class 12)

Chennai, India

Score: 90.2%

CERTIFICATES

Generative AI Virtual Internship ↗

Focused on Generative AI and related concepts.