NISCHALA G S

+91-9591035732 | nischalamasri@gmail.com | Bengaluru, Karnataka-560027
linkedin.com/in/nischala-gs-9609b8282 | github.com/nischala755

PROFESSIONAL SUMMARY

AI & ML engineering student with published research and multiple competition wins. Specialized in **Data Science, Deep Learning, Blockchain, and Quantum AI** with hands-on experience developing ML models achieving 95% accuracy. Demonstrated expertise in **reducing processing time by 60%, accelerating inference speed by 3x, and deploying cloud-based ML pipelines**.

EDUCATION

B.E. Artificial Intelligence & Machine Learning | BNM Institute of Technology | 2023 – Present | CGPA: 9.95/10
Coursework: AI, ML, Deep Learning, DSA, DBMS, Cloud Computing, Computer Vision, NLP, Statistics & Linear Algebra

PROFESSIONAL EXPERIENCE

Data Science Intern | ShadowFox | Aug 2025 – Present
- Developed predictive models using Random Forest, SVM, XGBoost achieving 92% accuracy for enterprise applications
- Engineered end-to-end ML pipelines with TensorFlow, PyTorch for cloud deployment, reducing model training time by 40%

Project Intern | Medical Sensors India Pvt Ltd | May 2025 – Jun 2025
- Implemented ANPR system using YOLOv8 and PaddleOCR achieving 95% accuracy on diverse vehicle datasets
- Optimized inference with ONNX/TensorRT reducing processing time by 60% to <50ms per frame

TECHNICAL SKILLS

Programming:
Python, Java, C, JavaScript, SQL

AI/ML:
TensorFlow, PyTorch, Scikit-learn, PennyLane, Keras

Web/Tools:
MERN, Flask, Django, Docker, Git, AWS, Web3

Specializations:
Deep Learning, Computer Vision, NLP, Quantum AI, RL

Interpersonal:
Leadership, Communication, Team Collaboration

KEY PROJECTS

ClimaX - AI-Powered Disaster Resilience Platform | Jan 2025 – Present
AI, RAG, Quantum Simulation, Blockchain, Python, Flask
- Designed agentic AI system for localized threat alerts using LLMs achieving 88% accuracy in threat prediction
- Integrated quantum models for disaster resource distribution reducing emergency response time by 35%

QNeuroGen - Quantum-Enhanced EEG Neural Decoding | Jan 2025 – Present
PennyLane, Cirq, Variational Quantum Circuits, Neural Networks
- Constructed hybrid quantum-classical networks for EEG signal decoding achieving 89.2% accuracy with <50ms latency

TinyTransformer - GPT-like Mini Model | Dec 2024 – Present
PyTorch, ONNX, TensorRT, Self-Attention, PPO
- Built transformer architecture with self-attention mechanism; enhanced inference speed 3x using ONNX/TensorRT optimization

Cradle - DeFi Platform (IEEE Research Paper) | Jun 2024 – Dec 2024
Blockchain, Smart Contracts, Ethereum, React.js, Solidity
- Created DeFi platform with wallet integration, staking protocols, token swaps; authored IEEE research findings

KEY CERTIFICATIONS

- Introduction to Machine Learning - NPTEL, IIT Madras (Feb 2025)
- Neural Networks and Deep Learning Certification (Dec 2024)
- Programming and Problem Solving with Python - Samsung (Aug 2025)
- Introduction to Large Language Models - Google Cloud Platform (Oct 2024)
- Linear Algebra for AI and ML - NPTEL, IIT Madras
- Educational Leadership Certificate - Leaders Excellence at Harvard Square

LANGUAGES

- English (Professional)
- Hindi (Professional)
- Kannada (Native)
- Spanish (Elementary)
- Telugu (Elementary)

LEADERSHIP & INVOLVEMENT

- Joint Secretary, IEEE CIS Society | Oct 2024 – Present
- Secretary, TechIT Coding Club | Oct 2024 – Present
- Coordinated workshops & events for 100+ members increasing participation by 30%

NOTABLE ACHIEVEMENTS

- Released 7 books on Amazon and 1 IEEE research paper
- 2 hackathon victories, 1 pitchathon win, 5 top-5 placements nationwide
- Best Student recognition for 4 consecutive semesters
- Host of Spotify podcast with 50,000+ listeners