# NAVEED AKHTAR

AI Engineer | Machine Learning | Deep Learning | Generative AI

⚲ Gulbarga, Karnataka | ▦ +91 77959 09822 | ✉ neavdak@gmail.com | LinkedIn: linkedin.com/in/neavdak

## PROFESSIONAL SUMMARY

AI Engineer with hands-on experience in developing high-performance machine learning models, generative AI systems, and real-time edge inference solutions. Skilled in LLMs, MLOps, Deep Learning, Computer Vision, and Cloud AI integration. Passionate about designing scalable AI architectures and deploying production-ready models to solve real-world problems.

## EDUCATION

**B.E. in Artificial Intelligence & Machine Learning — PDA College of Engineering, Gulbarga (Expected 2026)**

## EXPERIENCE

**AI/ML Research Intern — Research Centre Imarat (RCI), DRDO, Hyderabad (Sep 2025 – Present)**

• Selected for a competitive six-month internship at India's premier defense research lab.
• Working on AI model optimization for edge computing applications in defense systems.
• Collaborating with senior scientists to develop secure, high-efficiency AI solutions for avionics and missile systems.

## TECHNICAL SKILLS

• Languages: Python, C++, Java, C, CUDA
• Frameworks & Tools: PyTorch, TensorFlow, OpenCV, Docker, Jetson, Kubernetes, MLflow, Airflow
• Cloud & Databases: AWS, GCP, Azure, MySQL, MongoDB
• Domains: Deep Learning, NLP, Edge AI, Reinforcement Learning, Computer Vision, Generative AI, LLMs, MLOps

## KEY PROJECTS

• Frictionless Airline Journey (Google GenAI Exchange Finalist): Designed an AI-driven system to optimize air travel using predictive analytics; presented at Google Gurugram. Tech: Python, TensorFlow, Vertex AI.

• Generative AI for Industrial Simulation: Developed simulations to predict inefficiencies and optimize energy consumption, reducing wastage by 15%. Tech: PyTorch, GANs, OpenAI APIs.

• Autonomous Drone Navigation: Integrated YOLOv5 and SLAM for autonomous navigation in unstructured environments. Tech: YOLOv5, ROS, OpenCV.

## ACHIEVEMENTS

• 🥈 2nd Place — INEX Hackathon, Goa (2025)
• 🏆 Finalist — Google GenAI Exchange, Delhi (2025)
• 🎤 Presenter — Startup India Hackathon (2025), presented on CUDA-accelerated CNNs for fast inference.

## PUBLICATIONS

• Das, S., **Akhtar, N.**, Kar, S., Inamdar, A., & Davanagere, D. (2025). "Cypher: A Mobile Application for Hardware Enabled Root of Trust." *International Journal of Innovative Research in Technology (IJIRT)*, Vol. 12, No. 3.