

FARHAT NISSAR

Ph.D. Research Scholar | AI & Embedded Systems | Startup Founder

University of Kashmir | Srinagar, Jammu & Kashmir, India

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Professional Summary

Ph.D. Research Scholar in Artificial Intelligence at the University of Kashmir with a background in Electronics & Communication Engineering. Founder and CEO of MamaSolutions, working on AI, IoT, embedded systems, and smart safety solutions. Experienced STEM educator, robotics trainer, curriculum developer, startup founder, and researcher with expertise in product development, innovation, and mentoring students.

Education

- Ph.D. (Ongoing) – Artificial Intelligence, University of Kashmir
- B.Tech. – Electronics & Communication Engineering

Research Interests

- Artificial Intelligence
- Machine Learning
- IoT & Embedded Systems
- Wireless Communication
- Smart Sensing Systems
- Computer Vision

Professional Experience

- Founder and CEO – MamaSolutions (Smart Safety & IoT Startup)
- Robotics & STEM Trainer
- Ideovation, Innovation & Train-the-Trainers Mentor - Institute of Technology, University of Kashmir
- Project Intern at SKIIE SKUAST-kashmir

Research, Innovation & Projects

- TankMitra – Non-Intrusive Smart Water Tank Monitoring & Pump Control System
- LPG Rakshak – Smart LPG Carrier Safety & Monitoring System
- Automatic Pink Tea (Nun Chai) Vending Machine

- Portable Automatic Dyeing Machine
- Solar-Powered Food Storage Solution (LifeDoc)

Teaching & Mentoring

Conducted training in Robotics, AI, Arduino, ESP32, Scratch, Tinkercad, Micro:bit, STEM education, innovation, and entrepreneurship. Designed curricula and delivered workshops for school and engineering students.

Technical Skills

Artificial Intelligence, Python, Arduino, ESP32, Embedded Systems, IoT, Electronics Design, PCB Design, Robotics, Computer Vision, Research Methodology, Technical Writing, Startup Development, Product Design, Social Media Strategy.

Leadership & Achievements

- Founder of MamaSolutions
- Ph.D. Research Scholar, University of Kashmir
- Startup Incubatee
- Robotics & STEM Mentor
- Researcher in AI-enabled Smart Systems