



AKHILESH AGNIHOTRI

KILA STATION ROAD NEAR ESIC DISPENSARY IN FRONT OF
BALBHADRA DALMIL LALDIGGI HATHRAS UP-204101

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Objective

Accomplished Technology Expert specializing in IoT, Robotics, and AI, and STEM Specialist with a robust background in STEM/STEAM innovation, BCI research, corporate tech training, and IoT development. I am passionate about fueling curiosity and expertise in these specific technologies through both training programs and development initiatives. Committed to shaping the next generation of Tech leaders and advancing STEM education while delivering comprehensive technological solutions

Experience

- ROBOCLUB INDIA - DYNAMIND LEARNING PVT.LTD** Dec-2023 - Present
Technical Lead
- Freelancer International Educator** JUN-2021 - PRESENT
Corporate Tech Trainer(AIOT//ML//ROBOTICS//STEM)
- DMGA , Saheed Udham Singh Nagar ,Uttarakhand** Aug-2023 - Dec-2023
STEM EDUCATOR /ROBOTICS
- Lab of Future, Sars Technology & Innovation Pvt Ltd** MAY-2023 - AUGUST-2023
Innovation Engineer & Trainer
- SLOG SOLUTIONS PVT. LTD.** FEB-2023 - MAY-2023
Technology Expert(IOT/AI/ML/ROBOTICS)// Freelance Corporate Tech Trainer
- Institution of Electronics and Telecommunication Engineers (IETE) Mumbai** DEC-2020 - JAN-2020
Industrial Training (Internet of Things - Protocols & Cloud Integration)
- Andhra Pradesh State Skill Development Corporation** OCT-2020 - NOV-2020
Internship Program on Artificial Intelligence
- Institute of Electronics and Telecommunications Engineers(IETE) Mumbai** JUN-2020 - JULY-2020
Internship(Deep learning & AI)
- Innovians Technologies Pvt.ltd** MAY-2019 - JULY-2019
PROJECT INTERN (IOT& EMBEDDED SYSTEM/ROBOTICS)
- Enthu Technology Solutions Pvt Ltd Tamilnadu** APR-2020 - MAY-2020
Industrial Training (Industrial IOT using LORA WAN Technologies)

Education

- Dayalbagh Educational Institute Agra Uttar Pradesh** 2018-2021
Bachelor of Vocation(Internet of Things)
7.6
- Swami Vivekananda Subharti University (DDE)** 2017-2020
Bachelor of Arts (Mathematics)
63%
- KS INTER COLLEGE KEMAR HATHRAS UTTAR PRADESH** 2015
INTERMEDIATE
79%
- SARASWATI VIDYA MANDIR INTER COLLEGE LABOUR COLONY HATHRAS** 2013

Skills

- STEM/STEAM EXPERT
- Freelance Corporate Tech Trainer (AI/IOT/ML/ROBOTICS/STEM)
- 3D Printing & Designing
- C Programming
- Embedd C(Arduino)
- Python Programming
- MySQL
- IOT Product Development
- Computer Vision
- Machine learning
- ROBOTICS
- Linux
- Augmented Reality & Virtual Reality
- Space & Astronomy
- Rc Plane
- Model Rocketry
- UAV(Quadcopter & Drone)
- Block Coding and Scratch Programing
- Electronics
- PCB Designin
- Critical Thinking
- Communication
- Content Development (Product Development)
- Laser Printing & Designing
- CIRCULAM DEVELOPMENT
- HCI & BCI (USING EEG & EMG)

Projects

- **Brain Control Robotic Automation System**

I am working on research projects in Bci Domain. I have developed a smart Automation System. In this system each and every operation perform by our brain without any physical movement. In this project I am using electroencephalogram technology. That are using to detect the electrical activity of our brain

- **Home Automation with IoT**

It is designed to control home accessories automatically using sensors. Lights and fans are connected with Arduino and a WiFi Module. WiFi module connects with mobile and all devices can access with our mobile phone Or POV Sensor automatically turns ON or OFF the lights when someone enters the room

- **Smart Irrigation System using IoT**

It is an automatic system that gave water to plants using their requirements. Humidity and water level are detected by sensors and pass the readings to the Microcontroller. Microcontroller turns ON and OFF water pump according to the sensors readings, send the message to the attached mobile number. The motor also can be handled by our mobile phone through SMS

- **Jingle Heck- Coding learning device (STEM)**

 **Learn Coding Through Music** 

Our project, which teaches coding using music for the visually impaired, was recognized for its creativity and iinclusivity. Kids can learn the basic block coding cpncepts using this device. Award winner Project in Goa International Robotics Festival 2024

- **Vocal Communication using Brain**
- **Concentration Development Game**

- Class monitoring system using Raspberry pi
- Real time monitoring garbage system using IoT

Achievements & Awards

- Team coach National champion 2022 (First tech challenge) Team Supercalifragilisticexpialidocious #19030 Won the Control Award Second Place in Goa International Robotics Festival 2023-24
- Team Coach - FLL (First Lego League) Team MasterMinds won the Project Innovation Award in Goa International Robotics Festival 2023-24

Government Department Training Trailblazer:

- Spearheaded transformative training programs in **IoT, Robotics, and Embedded Systems** for esteemed government departments such as The Institute of Research Development & Training (**IRDT Dehradun, IRDT Kanpur**), **Indian Army** etc. delivering tailored solutions to meet their specific technological needs and objectives

Interests

- Debater
- Hindi Speaker
- Writer
- Satirist

Languages

- HINDI
- ENGLISH
- Brij

Certifications

- **STEM.org Certified** STEM/ STEAM Expert & Master Trainer
- Certified International Educator-Robotics Turito
- Certified Innovation Mentor & Instructor BY AIM & NITI Aayog Government of India
- Certification Course On Python Programming-A Practical Approach ICT Academy IIT Kanpur
- Certificate Program on Data Analysis using STATCRAFT STARCRAFT & Dayalbagh Educational Institute Agra
- Arduino Master Class Training Program Pantech Prolabs India Pvt. Ltd Chennai
- Matlab Training Program Institute of Electronics and Telecommunications Engineers Mumbai
- Certificate Course in Internet Of Things National Institute of Electronics & Information Technology(NIELIT) Lucknow Uttar Pradesh

