BADRI VISHAL PANDEY

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Portfolio: https://badrivp.github.io

Summary
Working as a Trainer in the Robotics and Drone fields, I have gained more than one and a half years of experience in conducting hands-on training sessions on DIY projects, teaching robotics topics and organizing lab equipment. I learned time management, resource planning and handling work pressure during my employment.

Education
• **Master of Technology (M.TECH) in Mechatronics**
Dr. A.P.J. Abdul Kalam Technical University - Lucknow, Uttar Pradesh
October 2020 to September 2022
• **Bachelor of Technology (B.TECH) in Electronics & Communication Engineering**
Dr. A.P.J. Abdul Kalam University - Lucknow, Uttar Pradesh
June 2013 to July 2017

Work Experience
• **Robotics Trainer**

Dr.BR Ambedkar School of Excellence Surajmal Vihar Delhi
Playto Labs – Delhi
Ongoing from September 2023 to till today
My duty involves teaching and training students on robotics and smart manufacturing, conducting practical and preparing engaging notes on robotics .

• **Trainer**
TCOE Jaipur - Jaipur, Rajasthan
September 2022 to May 2023
Conducted drone training for students, covering assembly, calibration, simulation, and flying. Prepared engaging notes and lectures to enhance learning experience.

Skills

Programming Language: C, C++, Python
CAD Softwares: Fusion 360, FreeCAD
Embedded System: Arduino, NodeMCU
Web Development: Wordpress
Graphic Design: Adobe Photoshop
Ms Office Tools: MS Word , MS Powerpoint , MS Excel
Operating System: Win10/11, Ubuntu
Robotics: Manipulators, Mobile Robots and Drones

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Projects

• Trajectory Planning of 6-DOF Robotic Arm: Utilized Neural Network techniques to simulate and plan trajectories for a 6-axis robotic arm.
• Gsm Based Bank Locker Security: Implemented a GSM modem and microcontroller for
secure bank lockers with theft alerts via SMS.

Languages

• English: Intermediate
• Hindi: Expert

Publications:

Learning the inverse kinematics of a 6-DOF manipulator using a feedforward neural network
BV Pandey, J Kumar - AIP Conference Proceedings, 2024 - pubs.aip.org