URVASHI GOSWAMI

MACHINE LEARNING ENGINEER

CONTACT

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WORK EXPERIENCE

Applied Tech Trainer

Whitehat Junior Pvt. Ltd *Aug 2020 - Oct 2022*

Key responsibilities:

- Teaching python programming, data visualization, javascript, game and web development through hands-on-practice one-on-one interactive sessions.
- Help students to create industry grade projects.
- Preparing lesson plans and teaching materials that are engaging and age-appropriate.
- Keeping up-to-date with the latest trends in coding and education.

Intern Lead

TechieNest Pvt. Ltd *May 2015 - Jul 2015*

Key responsibilities:

- Working on real-world projects and developing hands-on experience in designing and implementing embedded systems and robotics solutions and learn various technologies: AVR Microcontroller, DTMF, USART Communication, RFID, Bluetooth, Accelerometer, Image Processing and GSM.
- Collaborating with other interns and mentors to achieve project goals and deadlines.
- Conducting research and staying up-to-date with the latest trends and advancements in the field.
- Troubleshooting and debugging issues in hardware and software components.
- Documenting project progress and presenting results to mentors and management.
- Adapting to a fast-paced and dynamic work environment and showing flexibility and agility in learning new technologies and tools.

SUMMARY

Highly motivated and skilled computer science and engineering postgraduate with expertise in python, machine learning, java, MATLAB, embedded systems and robotics. Strong analytical and problem-solving skills with a keen attention to detail. A quick learner with excellent communication and teamwork abilities. Seeking a challenging opportunity to leverage my technical skills and drive innovation in the field of software development.

SKILLS

Python, JAVA, JavaScript, C, C++

MATLAB, Image Processing

AI and Machine Learning

Embedded Systems and Robotics

Embedded C Programming and PCB Designing

INTERESTS

Reading technical articles and attending technology conferences.

Travelling and exploring new cultures.

Listening to music, singing and contemporary dancing.

Reading Finance Articles

CERTIFICATION

BCI & Neurotechnology Spring School

g.tec medical engineering *2023-04-26*

Foundational Artificial Intelligence

SkillUp *2020-05-18*

An industry recommended and validated course aligned to SSC NASSCOM Foundational AI curriculum.

Programming for Everybody (Getting Started with Python)

Coursera *2022-05-18*

Authorized by University of Michigan

EDUCATION

Master of Engineering
MBM College of Engineering

Major Project:

Road Sign Detection and Recognition using Image Processing : A real-time computer vision system that detects and recognizes road signs using image processing techniques and YOLO model with 94% accuracy. It has applications in intelligent transportation systems, driving assistance systems, and autonomous vehicles.

Bachelor of Technology
JECRC UDML College of Engineering

Major Project:

Image Processing based Anti-theft system using MATLAB : A security system that will capture an image of any individual attempting to enter a house and immediately send an email alert to the owner, including the captured image.

ACHIEVEMENTS

- Successfully completed the intensive 1-Day training program on **"Mathematical Modelling & Analysis "** using Matlab & Simulink on 15 of may 2020.
- Participated in International Robotics Event **"ROBOCON"** in the year 2013, 2014 and 2015.
- Co-ordinated JECRC UDML techno cultural Fest **"SARVATRA'15"** as a Senior Coordinator.
- Attended 2 days AutoBotz AVR workshop conducted by **Technophilia systems** in association with **Robotics and Computer Applications Institute of USA.**
- Participated in Robotics Event **"IGNUS'14"** held at IIT Jodhpur.
- Presented projects in **"PRADARSHINI 2013"** conducted in association with **DST** in March 2013.
- Attended embedded system, Embedded Programming and 8051 Microcontroller workshop conducted by **Sofcon India Pvt. Ltd.**

PROJECTS

Body Posture Detection System
Developer

A system that detects and tracks human body posture in real-time using Mediapipe and image segmentation techniques.

Health-Band Fitness Tracker
Programmer

A smart Assistant for Elderly people. Detects medical emergency, fall, heart rate and stress.

Automatic Detection of Gastrointestinal Disease .
Developer

An automated system that detects gastrointestinal diseases using UNET segmentation and the KVASIR dataset. It has applications in the early detection of diseases and improving patient outcomes.

RFID based Security System
Circuit Designer and Programmer

A security system that allows only authorised persons to enter a particular area of an establishment.

Parkinson's Disease Detection Using SVM
Developer

A system that detects Parkinson's disease using Support Vector Machine classification. It analyzes voice and movement patterns to provide an accurate diagnosis and has applications in early detection and monitoring of the disease.