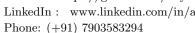
Akash Kumar

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Education ____

Year	Degree	University	%/CGPA
2020-2024	Electrical Engineering	Indian Institute of Technology Bhubaneswar	8.88/10

Technical Skills

Programming Languages: C, C++, Python Frontend: HTML, CSS, JavaScript, Bootstrap

Backend: NodeJS, RestAPIs Databases: MongoDB

Machine Learning: OpenCV, Jupyter, Tensorflow, Image Processing, Neural Networks, Scikit-Learn, Matplotlib

Source and Version Control: Git, GitHub Familiar With: Networking, Blockchain

Softwares: MATLAB, VS Code, Eclipse, PyCharm, AutoCAD, LTSpice

Operating Systems: Ubuntu, Windows and Linux

Projects ₋

Portfolio Website (HTML, CSS, Javascript)

Frontend Development

Designed and Build a responsive, static, single-page Portfolio website using HTML, CSS, Javascript

Restaurant Website (HTML, CSS, Javascript, Bootstrap)

Frontend Development

· Designed and Build a responsive, static, multi-page restaurant website using HTML, CSS, Javascript and Bootstrap

Gender and Age Recognition Model (OpenCV, ML, Image Processing)

Machine Learning

- Developed age and gender detection model using Image Processing and training it on the UTKFace database
- · Different ML Libraries like Tensorflow, OpenCV, MTCNN, Scikit-Learn are used in this project for training and testing

Voice Controlled Home Automation (NodeMCU, Voice Assistant)

IoT

- · Using this device one can control the appliances using Alexa or Google Voice Assistant remotly from anywhere
- · Used NodeMCU and integrated it with Relays, Switches and Wifi to build this device

SEE-SAW (PID Control, Arduino, BLDC Motor, MPU6050)

Electronics

- Used Arduino, MPU6050, ESCs and BLDC Motors to build a single-axis self balancing device
- This project is basically a base model for building a Quad-copter Drone or a Helicopter which will be self balancing

ArUco Marker Detector(Python, Detectors, OpenCV)

Image Processing

· Developed this application using Python and Open-CV which detects and gives ID, Orientation of detected ArUco Markers

Relevant Courses _

- HTML, CSS, and Javascript for Web Developers (Johns Hopkins University) on Coursera
- Python for Everybody Specialization (University of Michigan) on Coursera
- · Ethical Hacking Course on Udemy
- · Python for Machine Learning on Coursera

Scholastic Achievements ____

- Secured rank in top 1 percent among 1100k candidates in JEE-Advanced 2020
- Got Branch Changed from Civil Engineering to Electrical Engineering after 2nd Semester in IIT Bhubaneswar

Positions of Responsibility _

Alma Fiesta (The Socio-Cultural Fest), IIT Bhubaneswar

May 2022 - Present

Core Head of Digital-Design Team

Robotics and Intelligent Systems Club(RISC), IIT Bhubaneswar Member

November 2021 - Present