Akash Kumar

Email : akashkumarmishra795@gmail.com
GitHub : https://github.com/SkyXen
LinkedIn : www.linkedin.com/in/akashkumar1303/
Phone: (+91) 7903583294

IIT Bhubaneswar

Pre-Final Year Undergraduate

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, Esclipse, 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 November 2021 - Present
Member