IFTAKHAR KAUNAIN ASHHAR +91-9897969256 | Aligarh, UP, India

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EDUCATION

Bachelor of Technology (Honors) Expected 05/2023
Mechanical Engineering CPI 8.6/10
Zakir Husain College of Engineering and Technology, Aligarh Muslim University

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SKILLS

Programming Languages C, Python, JavaScript
Frameworks/Libraries Robot Operating System, OpenCV, NumPy, Socket, React.js, Vue.js, Moment.js, SASS
Tools/Technologies URDF, Xacro, Gazebo, RViz, HTML, XML, CSS, GitHub, MS Word, MS Excel, MS PowerPoint, Slack, Discord, Trello
Operating Systems Linux (Ubuntu 18.04, Ubuntu 20.04), Windows

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WORK EXPERIENCE

ONBO Bengaluru, KA, India June 2021 – September 2021
Intern Front-End Engineer
– Developed components of the web application with Vue and React.
– Created both stateful and stateless components in React.
– Created a custom planner cum calendar by integrating the Toast UI Calendar API.
– Created real-time current and upcoming task updates with Moment.js.
– Developed pixel-perfect webpages from Figma designs and integrated APIs, where needed.

OTHER EXPERIENCE

MTS – AUV Club ZHCET, AMU, Aligarh, UP, India November 2020 – Present
Computer Team Member
– Developing autonomous underwater vehicles for various national and international competitions.
– Researching on new technologies and find ways to implement them on vehicles.
– Learning ROS to potentially implement on future vehicles.
– Qualified the phase 1 of the Virtual Online Robotics Competition.

PROJECTS

Two-wheeled Robot [Link: https://github.com/iftkhr/two-wheeled-robot]
– Developed a simulation of a two-wheeled robot mounted with a laser scan sensor using ROS.
– Implementing obstacle avoidance, motion planning and wall-following algorithms.
Socket Cam [Link: https://github.com/iftkhr/socket_cam]
– Created a client-server script using Python and OpenCV, to transfer live video over LAN.
– Developed this project as a part of the Autonomous Underwater Vehicle Club.