Shivang Tripathi

Student Ambassador | AKGEC - FABLAB

Developer who loves to integrate technologies to create meaningful projects in robotics and automation. With proven skills in project management and design, I'm looking for opportunities to gain insights into the industry scale experience.

shivang@knowingabout.me ✉
+91 9971079187 📱
Ghaziabad, India 📍
knowingabout.me 🌐
www.github.com/shivangg ⭘
www.linkedin.com/in/shivang-tripathi-365306b1 in

EDUCATION

Bachelor of Technology
Dr. A.P.J. Abdul Kalam Technical University
04/2014 – 08 / 2017   *Ghaziabad, India*

INDIAN SCHOOL CERTIFICATE EXAMINATION
City Montessori School
04/2012 – 04/2014   *Lucknow, India*

WORK EXPERIENCE

Summer Intern
KUKA Robotics
05/2017 – 07/2017   *Gurugram*

Achievements/Tasks
- Improved the real time communication of YouBot.
- Integrated vision to work with ROS and LabVIEW.

Contact: Mr. Abhijeet Nehra

Head Programmer
Team Robocon, AKGEC Skills
08/2015 – 08 / 2017   *Ghaziabad, India*
Customized existing software to tackle the new problem statements published by the ABU Robocon.

Tasks/Achievements
- Designed a non-conventional line follower in full compliant with the contest specification.
- Interface the array of IR sensors with the controller to accurately get localized position of the robot.
- Interfaced a NEMA 23 servo motor with the controller to accurately steer the robot with low latency.

Trainee
Software Incubator
07/2015 – 10/2015
Self-trained at Software Incubator where I kickstarted the journey into web development.

Tasks/Achievements
- Developed links repository in PHP and JavaScript.
- Wrote a crawler in PHP for link repository to fetch relevant data about the link.
- Developed basic Mario game in JavaScript. ⬈

UTILITIES

AWS, Qt, SSH, Github,Docker, CMake, Django

SKILLS & COMPETENCES

Skill					
Arduino	●	●	●	●	○
Python	●	●	●	●	○
Git	●	●	●	○	○
Raspberry Pi	●	●	●	●	○
JavaScript	●	●	○	○	○
Robot Operating System (ROS)	●	●	○	○	○

CERTIFICATES

Full Stack Web Development Certification (2016 – 2017)
This certification is under the open source organisation FreeCodeCamp

Code School Docker Certification (2017)
Learned to create self-contained, shareable development environment with containers, images, Dockerfiles, and volumes.

Certified LabVIEW Associate Developer (12/2015)
This certification was given by National Instruments Academy under AKGEC Skills.

ACHIEVEMENTS

Robotics Trainer at Banasthali University (07/2017)
Trained the faculties of automation department on the potential Robot Operating System with practical hands-on experience.

Qualified Google Code Jam (2017)
Solved the given algorithmic problems within specified deadline.

CopyBot ⬈
Was among the top 20 Finalist out of 2000 participants at NiYantra 16-Annual Graphical System Design Contest held by National Instruments in Bangalore

Bronze in Week of Code 25, Week of Code 29(10/2016 , 02/2017) ⬈
Won the bronze medal in HackerRank's Week of Code 25 for coding the solution to the given set of algorithmic problems accurately in the given time.

17th in the National ABU Robocon (2017)
Secured overall 17th rank among 112 teams of top colleges of India.

Won Hexiwear in The Do-Anything Device Contest (08/2016)
In The Do-Anything Device Contest for designing the concept of an emotion sensor.Rated on basis of innovation, novelty and relevance.

2nd runner up in Crossroads 2016-State Level Innovation Competition (10/2016)
Open loop mechanism for monitoring of the control systems by designing their simulation that performed identical to the actual system in real time.

Bronze in National Science Olympiad, Science Olympiad Foundation (2014)