Chirag Shah

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Career Objective

Self-Motivated engineering student, trying to develop innovative solutions to simplify tasks through robotics and information technology. Aiming to develop solutions, to improve the efficiency and qualtiy of manual tasks through assistive robotics

Education

Year	Degree/Certificate	Institute	CGPA / Percentage
2012	Secondary School Certificate	Fr. Agnel School	95.09%
2014	Higher Secondary School Certificate	Fr. Agnel School	86.08%
2014	1st Semester Btech EXTC	K.J. Somaiya College of Engineering	7.65
2015	2nd Semester Btech EXTC	K.J. Somaiya College of Engineering	8.54
2015	3rd Semester Btech EXTC	K.J. Somaiya College of Engineering	8.17
2016	4th Semester Btech EXTC	K.J. Somaiya College of Engineering	8.8
2016	5th Semester Btech EXTC	K.J. Somaiya College of Engineering	8.24
2017	6th Semester Btech EXTC	K.J. Somaiya College of Engineering	8.32
2017	7th Semester Btech EXTC	K.J. Somaiya College of Engineering	9.32

EXTC - Electronics annd Telecommunication

Projects

Autonomous Water Rover (July 2017 - Present):
An autonomous lake monitoring system is being developed, which can also be used for other applications such as depth mapping, fish finding etc.

Robo-Rehab (December 2017 - Present):
A continuous passive motion device for the arm, is being developed to aid physiotherapists in rehabilitation of paralysis victims.

Anomaly Detection in a Bottling Plant (December 2017 - March 2018):
A computer vision based system was designed to detect anomalies such as under filling, over filling in a bottling plant.

SONAR using AVR and Matlab (March 2016):
An ultrasound sensor mounted on a servo was used to get obstacles in a 180 degree field of vision and the results were plotted using matlab.

Robocon (November 2015 - March 2016)

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Intrusion Detection System (Jan 2015-July 2015):
A network IDS was developed using C# ,as an intern in LucideusTech pvt. Ltd a company, incubated at SINE IIT B.

Internships and Trainings

1. Software Developer at Lucideus Tech Pvt.Ltd (Jan 2015-July 2015)
A network Intrusion Detection System was developed using C# and various cyber security related concepts were understood.

2. Founder at Infigyaan (Oct 2016-Dec 2017)
Co-founded a campus company turned partnership firm to provide android development training and internships to students in engineering colleges. The firm was dissolved in December 2017.

3. Student at Eduvance Summer Industrial Training (May 19 2017- June 19 2017)
In the Summer Industrial Training in Embedded Systems and IoT, at K.J. Somaiya College of Engineering concepts related to embedded systems, IoT were understood and implemented. ARM University and Cypress Semiconductors University Alliance certificates were also earned in the same course.

4. Teaching Assistant at Eduvance (June 19 2017- July 13 2017)
Assisted the conduction of Summer Industrial Training in Embedded Systems and IoT at SIES graduate School of Technology

Research Publications

Bottling Line Inspection System using Digital Image Processing :
Presented at 'ICIES 2018: 1st International Conference on Interdisciplinary Engineering and Sciences-2018 Pune, India, March 23-24, 2018' The paper will be published in the International Journal of Computer Applications (IJCA).