

Jyotish P

Engineer, Designer & Developer

D325 OBH

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jyotishp.github.io

Education

- 2016– Ongoing **B.Tech (Hons.) in ECE + MS by Research in ECE**, *Ongoing*.
International Institute of Information Technology, Hyderabad
- 2014–2016 **B.Tech in Electronic Systems Engineering**, *7.91/10*, Transferred.
National Institute of Electronics and Information Technology, Aurangabad
- 2012–2014 **Intermediate Education**, Sri Chaitanya Jr. Kalasala, *95.2%*.
Board of Intermediate Education Andhra Pradesh
- 2012 **Senior Secondary Certificate**, Sri Venkateswara Bala Kuteer, *9.5/10*.
Board of Secondary Education Andhra Pradesh

Projects

- Dec 2016 - **cDocket**.
Ongoing Developed a website for digitizing tender bidding and allocation.
- Nov 2016 - **Cooperative Modular Explorer Robot**, *TI Design Challenge*.
Mar 2017 The bot can split into individual explorer bots each capable of acting as an individual bot itself. While each bot is capable of carrying heavy loads or performing exploratory tasks, this robot provides robust formations that are suited for scaling different terrains as well. This bot, as a group, can climb over most of the structured obstacles like the constructed steps, ramps and is also capable of climbing over rubble like broken walls and pile-ups.
- Oct 2016 - **Robot to cross craters**, *eYantra*.
Mar 2017 It's a common issue for rovers sent to other planets to find craters on their path. The theme of this project is to fill the craters with near by boulders and cross the crater. The boulders and craters are recognized using image processing which was done using OpenCV on python. Later, the shortest path is calculated using A-star algorithm and the path data is sent to the robot.
- Jan - Feb 2017 **Audio Amplifier**, *Part of Electronic Workshop II*, Coursework at IIIT-H.
Designed and implemented a 5W audio amplifier with - Volume control - Bass/Treble control - Mic/AUX input
- Jan - April 2016 **Online DC UPS**, *Part of Power Electronics*, Coursework at NIELIT.
Designed and implemented 100W online DC UPS with switch mode regulation.
- Aug - Nov 2015 **Digital Thermometer**, *Part of Instrumentation*, Coursework at NIELIT.
Designed and implemented a digital (using LEDs) thermometer using thermistors.
- June 2015 **Instant Messenger**.
Developed a database based messaging service in PHP. Supports web (cross-platform) and mobile clients (iOS, Android, Windows).

June 2015 **Course Management System.**
Developed a website for course management using Laravel.

— Languages

Spoken **English, Hindi, Telugu**
Programming **C, C++, PHP, Python, Ruby**
Scripting **Bash, Javascript, Python**
Web Scripting **CSS3, HTML5, Javascript, xHTML**

— Technical Skills

OS **GNU/Linux**
APIs **OpenCV, pySerial**
Web Tech. **AngularJS, Joomla, Laravel, Lumen, Ruby On Rails, Slim, Wordpress**
IDEs **PHPStorm, Sublime Text, vim**
Others **MySQL, Version Control (git), Apache Web Server**

— Designing Skills

Beginner **Adobe Aftereffects, Adobe Lightroom**
Intermediate **Adobe Illustrator**
Advanced **Adobe Photoshop**

— Interests

- Computer Architectures
- Machine Learning
- Computer Vision
- Unix/Linux Development
- Compilers
- Web Development
- Music (Instrumental)
- Photography

— Miscellaneous

Photographer **Social Media Team, IIIT Hyderabad**
Admin **Web Design and Development Team, NIELIT**

Nov 2016 - Present
Sep 2014 - Sep 2015