Manish R. **Yadav**

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Experience

Newgen Software Technologies Limited

SOFTWARE ENGINEER *Aug. 2016 - Present*

- Participated in detail level of coding, code walk – through and unit testing of S/W modules.
- Participated in integrated testing of product/ package.
- Have a thorough understanding of assigned product/ project and an understanding of the customer requirements.
- Participated in generating of technical documentation of product/package.

Education

Thakur College of Engineering and Technology *Mumbai, India*

B.E. IN COMPUTER ENGINEERING *Aug. 2012 - 2016*

- Aggregate CGPA : 8.15

Thakur College of Science and Commerce *Mumbai, India*

COMPLETED HIGHER SECONDARY BOARD *Aug. 2010 - 2012*

- Percentage: 76.33

St. Mary's High School, Mira *Mumbai, India*

COMPLETED SECONDARY BOARD *Aug. 2003 - 2010*

- Percentage: 83.64

Projects

Warehouse Management System

E-YANTRA ROBOTICS COMPETITION *Nov. 2014 - Mar. 2015*

- Small scale implementation of an automated supply chain using order picking algorithm (Ratliff et. al.).
- Robot has to visit each pick-up point (12 pick-up points) and if there is a package pick up the package
- The robot detects the color of the package using a color sensor and places it in the appropriate deposition zone (5 deposition zone).
- Development on Fire Bird V ATMEGA2560 Robotic Research Platform, Nex Robotics, IIT Bombay
- Achievement: National Level 6th for assigned theme

Minesweeper

BASED ON IJARCCE-GRID BASED ROBOT NAVIGATION USING PRIORITY ALGORITHM ISSN (ONLINE) : 2278-1021 *Jan. 2013 - Feb. 2013*

- Identify the location and the total number of mines (blocks) placed at random positions in the arena
- The robot has to keep a count of these mines identified and their position while traversing its path, avoid them and reach its destination
- Algorithm used : Depth First Search(DFS) and Dijkstra's Algorithm

SenPi: Low cost smart solution for classrooms

FINAL YEAR PROJECT *Nov. 2015 - Mar. 2016*

- Replacement of Scheduled Laptops and Workstations of College classrooms with Raspberry Pi projection system.
- Provision for storage of MOOCs(Massive Online Courses) by MIT, Berkley etc. (ongoing).
- Remotely controlled Raspberry Pi using Android NDK improving throughput by 65 percent and using Python Script on it for increasing efficiency of central file server by allowing multiple user files being accessed concurrently

Honors & Awards

Semi-Finalist

TECHNOVANZA, VJTI *Dec. 2013*

- Semi-Finalist for VJTI's Robotic Challenge conducted at Technovanza, the National level technical festival of VJTI, Mumbai.

First Prize

Bʟɪɴᴅ C *Dec. 2014*

- Awarded 1st place for participating in Blind C at an Inter College Competition of Soul of Universal.

Sixth Prize

E-Yᴀɴᴛʀᴀ Rᴏʙᴏᴛɪᴄs Cᴏᴍᴘᴇᴛɪᴛɪᴏɴ *Nov. 2014 - Mar. 2015*

- Secured All India Rank 6 for Warehouse Management at an annual National Level Robotics competition conducted by IIT, Bombay.

Position of Responsibility

2014 **Event Manager**, TCET-ISTE
2015 **Technical Head**, Sojourn
2015 **Event Head**, E-Nspire

Extra-Curricular

2014 **Volunteer**, Zephyr
2013 **Volunteer**, IET- Present Around the World

Languages & Technologies

C; Java; PHP; SQL; Embedded C; Javascript; Android Programming; HTML5; CSS; Proficient with Linux and Windows.