

SATTANAATHAN THAYUMANAN

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Highly proficient and recently graduated electronics engineer who enjoys working in fast-paced environment. Dynamic and a dedicated team player who is eager to learn and seeks opportunities to work on new technologies.

WORK EXPERIENCE

JULY 2016 – PRESENT

SOFTWARE DESIGNER, ALSTOM TRANSPORT INDIA LTD

- Collaborated with designers in developing embedded systems software for ERTMS by applying key principles of computer engineering and embedded systems at ALTOM Belgium.
- Implemented enhancements in Maintenance Support System for URBALIS by applying key principles of programing and code analysis.
- Delivered software solutions consistent with the product roadmap and released plan milestones.

MAY 2015 – JULY 2015

INTERN, ALSTOM TRANSPORT INDIA LTD

- Designed and developed Simulation of TCMS Low Voltage Control Logics
- ControlBuild | NI LabVIEW | NI PXI cards | Train control

EDUCATION

MAY 2016

B.TECH, NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI (NIT-TRICHY)

B.Tech in Electrical and Electronics Engineering. Outstanding performance in all the laboratories and projects. Electronics enthusiast and android craze.

CGPA – 7.20/10

SKILLS

- JAVA
- C, C++, Delphi
- Server clustering
- Python
- Visual Basics (VBA)
- C#, Visual Studio
- Storage Array Networks
- Android App Development
- Linux – RHEL
- Lua

INTERESTS

Computer systems | HMI and WebHMI | System Software Architecture | Android OS | Operating systems | Product Architecture | Internet of Things | Autonomous systems | Automotive systems | Cybersecurity | Storage systems | Secure and Dependable Systems | Web Applications | Software Design Engineering | Embedded systems | Middleware

RESEARCH EXPERIENCE

JANUARY 2016 – MAY 2016

R-E-D-S, B.TECH FINAL YEAR PROJECT

- Real-time Embedded system for Differently abled and Senior citizens (R-E-D-S)
- Inspired by Segway, with more stability and safety | User friendly Android UI
- Research paper publication on conference in-progress.

AUGUST 2014 – MARCH 2015

ROBOTIC ARM EQUIPPED SOLAR POWERED HYBRID ELECTRIC WHEEL CHAIR, TEXAS INSTRUMENT INNOVATION CHALLENGE INDIA DESIGN CONTEST 2015

- Design and development of embedded system | Dual Robotic Arm
- Design and fabrication of power controller for wheelchair | Payload 120kg
- Semifinalists | Top 86 teams out of 1209 | TIIC IDC – 2015

JANUARY 2014 – MARCH 2014

SMART WATCH UNDER 2000 INR, SANGAM – PRAGYAN 2014

- Design and fabrication of Smart Watch under the budget of 2000 INR
- Android UI | MSP430 controllers | Bluetooth
- 2nd runner up in circuital category at SANGAM – PRAGYAN 2014

ACTIVITIES

Co-Founder and head volunteer at HumaNITTy

HumaNITTy is an umbrella organization of all the social responsibility clubs of NIT-Trichy. We started with 50 volunteers and it has grown to 300+ volunteers with 2 National level awards (FICCI and ASSOCHAM awards for Best Institute with Social Responsibility).

Co-Founder-Tutor at CYBER-TRONiX

CYBER-TRONiX is a platform which imparts technical knowledge to lesser privileged students through technical workshops. Using this platform we have reached out to over 1400 lesser privileged students.