


Shashwat Verma

 GitHub  linkedin

 (+31) 653559246  91shashwat@gmail.com

 363 Van adrichemstraat, 2614BS, Delft

Embedded Systems Engineer











Personal statement Student of Embedded System specialising in Networking and Software, at Technical University of Delft. I want to pursue my further career in embedded software development.

Interests. Embedded programming, inter-device communications, Real-time OS.








Education

- Aug 2015 – Nov 2017 (expected) **Master of Science (MSc)** in Embedded Systems, *Technical University of Delft* (TUD), The Netherlands
Specialisation : Networking and Software.
Relevant course work : Real-time Systems, Wireless Networking, Real-time Embedded Systems.
- July 2010 – May 2014 **Bachelor of Technology (B.Tech)**, *VIT University*, Vellore, India
Electronics and Instrumentation Engineering

Work Experience

- Dec 2016 – Present **Research Assistant, Disdrometrics B.V, Delft, Netherlands**
> Description point 1
> Description point 2
    
- Jan 2017 – May 2017 **Electronics Engineer, Eco-runner Team, Delft, Student team participating in shell Eco-marathon**
> Description point 1
> Description point 2
   
- Sep 2016 – Dec 2016 **Research Intern, Disdrometrics B.V, Delft, Netherlands**
> Description point 1
> Description point 2
  
- July 2014 – June 2015 **Program Analyst Trainee, Cognizant Technology Solutions, Kolkata, India**
> Description point 1
> Description point 2
> Achievement :
   
- Jun 2012 – July 2012 **Intern, C.E.E.R.I, Pilani, India, Electronics R&D institute of Indian government**
> Description point 1
> Description point 2
  

Projects

- Feb 2017 – Present **Analysing performance of Light to Camera links, TU Delft, MSc Thesis**
> Description point 1
> Description point 2
>  : [link1](#), [link2](#),
     

Sep 2016 Nov 2016	Embedded control software for UAV, , Delft <ul style="list-style-type: none"> > Description point 1 > Description point 2 <div>Embedded C Real-time system Control algorithm</div>
April 2016 June 2016	Image processing algorithm on MSP430, , Delft <ul style="list-style-type: none"> > Description point 1 > Description point 2 <div>Embedded C Computer Vision Linux</div>
Sep 2015 Nov 2015	Baggage management system using functional programming, , Delft <ul style="list-style-type: none"> > Description point 1 > Description point 2 <div>mCRL2 μ-calculus</div>
Jan 2014 May 2014	Automated Green-house status monitoring and Control using wireless DCS, VIT University, Bachelor Project <ul style="list-style-type: none"> > Description point 1 > Description point 2 <div>Embedded C LabView PCB Design Wireless communication</div>
Jan 2014 May 2014	Secure connection between three controllers, , Vellore <ul style="list-style-type: none"> > Description point 1 > Description point 2 <div>ARM M3 LabView</div>
Feb 2012 Oct 2012	Efficient Traffic light system, NI-yantra 2012, Chennai <ul style="list-style-type: none"> > Description point 1 > Description point 2 <div>LabView C++ IR communication</div>

Skills

Programming Skills :	C, C++, Python, Matlab, SQL, Git, Java.
Embedded Programming :	<i>master in</i> Embedded C for micro-controllers (ATMEGA, PIC, etc.). <i>familiar with</i> most STM controllers and other resource constrained platforms. <i>familiar with</i> Real-time Operating System.
Computer Vision :	<i>good understanding of</i> image processing (segmentation, object detection, etc.).
Misc :	<i>good understanding of</i> LabView, PCB Design using Eagle. <i>good understanding of</i> wireless protocols (ZigBee, Bluetooth, Wifi etc.). <i>understanding of</i> Android application development and JNI. <i>familiar with</i> SQL, PL/SQL and SQL-lite.

Extracurricular Activities

2017	Member of student racing team, Eco-Runner TU Delft.
2013	Organised an event (Robo-Ape) in GraVITas'12 (College technical festival).
2012-2013	Publicity Head for ISA-VIT student chapter, VIT Vellore.
2004-2007	Served as a volunteer in local NGO(Siksha), Pilani.

Languages

English :	Reading ● ● ● ● ● Listening ● ● ● ● ● Speaking ● ● ● ● ○	Hindi : native
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Interests

Swimming, sketching, cooking, bowling