

# Mohanadas Harish Chandar

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Born: October 23, 1985—Singapore

Nationality: Singaporean

National Service Status: Completed

## Degree

***Final Year Student, National University of Singapore***

(expected May 2011) *Bachelor of Engineering (Civil)*, Current CAP: 4.29/5 (2<sup>nd</sup> Upper Honours)

## Major coursework

Water Resources Engineering • Water and Wastewater Engineering • Air Quality Management • Geotechnical Engineering • Analytical and Numerical Methods in Foundation Engineering • Transportation Engineering • Transportation Management and Policy • Structural Analysis and Design • Offshore Structural Analysis and Design • Construction Project Management • Reliability Analysis and Design • Human Capital in Organisations

## Electives

Natural Resources: Policy and Practice • Remote Sensing and Earth Observation

## Education

2006–now National University of Singapore  
2002–2003 Victoria Junior College, Singapore  
1998–2001 Victoria School, Singapore  
1996–1997 St Gabriel's Primary School, Singapore  
1995 St John's School, Scarborough, Western Australia  
1992–1995 St Gabriel's Primary School, Singapore

## Honors & awards

- 2009 Dean's List, Academic Year 2008/2009 Semester 2
- 2009 HDB Book Prize (2<sup>nd</sup> Prize for Beam Design Competition)
- 2002 SINDA Academic Excellence Award (for outstanding performance in GCE 'O' Levels)
- 2001 Victoria School GCE 'O' Level Award
- 2001 Distinguished Service Award (Monitors' Council)
- 2001 Meritorious Service Award (National Cadet Corps (Land))
- 2001 School Subject Prize (Best in Design and Technology)
- 2001 Distinction, International Science Competition for Schools, Uni. of New South Wales
- 1996–2001 Edusave Scholarships, Ministry of Education
- 2000 School Subject Prize (Best in Tamil Language)
- 2000 Singapore East Zone School Sports Council Team Award (for National 4<sup>th</sup> in Cricket)
- 1999 Top Student Award (3<sup>rd</sup> in Standard)
- 1995 High Distinction, Primary Schools Mathematics Competition, Uni. of New South Wales

## Positions held

- 2009–now Member, Ground-Up Initiative—Local NGO
- 2006–now Section Commander (Reservist), 778 SIR, Singapore Armed Forces
- 2004–2006 Section Commander, 5 SIR, Singapore Armed Forces
- 2002–2003 Student Councillor, Victoria Junior College
- 2000–2001 Head of Welfare, Monitors' Council, Victoria School
- 2000–2001 Outdoor Pursuit Camp Instructor, Victoria School
- 2000–2001 Staff Sergeant, National Cadet Corps (Land)

## Sports competitions

- 2000 National Champion, National Cadet Corps Shooting Competition
- 2000 National 4<sup>th</sup>, Cricket

## Work experience

### ***Engineer Intern, Engineers 9000 Pte Ltd, Singapore***

- May 2010–  
Jul 2010 Gained experience in detailing of reinforced concrete members and design of steel connections. Gained basic understanding about document submission procedures to regulatory authorities for civil and structural works.

### ***Lifeguard, Paramount's King's Dominion, Virginia, USA***

- May 2007–  
Jul 2007 Experienced working in a multicultural environment in the USA. Worked hand in hand with the local Americans and other foreigners from Asia, Eastern Europe and South America.

### **Section Commander, 5<sup>th</sup> Singapore Infantry Regiment, Singapore Armed Forces**

Sep 2004– Mar 2006    Lead and ensured the operational readiness and welfare of a 7-person combat section. Understood what it takes to train, lead and manage teams under difficult and stressful situations. Understood what it takes to gain the respect of one's superiors and subordinates at the same time.

## **Hobbies and interests**

### **Urban Farming, Gardening and Permaculture**

Assisted a local NGO—Ground Up Initiative—in setting up a rooftop garden concept model. Volunteered at local farms and community gardens, and attended courses in Permaculture design. Learnt critical observation skills and patience, and experienced working with nature.

## **Skills**

### **Productivity Software**

Excellent    Microsoft Office, OpenOffice, Internet and Email applications  
Good        Linux (operating system)  
Good        GnuCash (finance)  
Good        Vim (text editing)  
Good        ikiWiki (website engine)  
Good        GIMP (graphics processing)  
Good        LaTeX (technical writing and typesetting)

### **Engineering Software**

Good        COMSOL Multiphysics (multiphysics modeling)  
OK          SIGMA/W (geotechnical modeling)  
Good        SIDRA (transportation and traffic modeling)  
Good        USFOS (offshore structural modeling) and BEAMD (beam design)  
OK          STAAD.Pro (structural design)  
Good        AutoCAD and QCAD (drafting)  
Good        Primavera (project management)  
Good        GRASS GIS, ArcGIS and TNTmips (geographical information systems and remote sensing)

### **Languages**

Excellent    English  
Excellent    Tamil