

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 (2nd 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 (2nd 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 4th in Cricket)
- 1999 Top Student Award (3rd 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 4th, 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, 5th 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