

9 Ardilaun Court, Cuffe Lane, Dublin 2, Ireland

(+353) 83 848 8767 | ■ singhh@tcd.ie | ★ harpreet.me | □ omnigrass | m etSingh

Education ____

Trinity College Dublin

Dublin, Ireland Sep. 2015 - Sep. 2016 (Expected)

M.Sc. Computer Science, Networks and Distributed Systems

- Taught Modules Result: I.1
- Modules taken
 - CS7002 Data Communication & Networking
 - CS7003 Middleware for Distributed Systems
 - CS7009 Networked Applications I
 - CS7010 Software Engineering for Distributed Systems
 - CS7011 Business Innovation
 - CS7012 Management of Networks and Distributed Systems
 - CS7048 Data Communications and Wireless Networking Practical
 - CS7049 Software Engineering / Middleware Group Project
 - CS7050 Individual Programming Project
 - CS7051 Networked Applications II
 - CS7052 Sustainable ICT
 - CS7053 Security of Networks and Distributed Systems
- Modules Currently Ongoing
 - CS7042 Research Dissertation
- Projects
 - Designed a Peer-to-Peer Multithreaded Chat Server using Ruby as part of the Individual Programming
 - Using Agile Software development process, developed a web server using the MEAN stack and an Android application as part of the Group Programming Project
- Developed a Web Server Application using the Facebook Graph API and the MEAN stack as part of Networked Applications II

University of Delhi

New Delhi, India

B.Sc. Physical Sciences

July 2012 - June 2015

- Result: I.1
- Project: "Obstruction Avoiding Arduino Robot". Designed an autonomous robot using the Arduino Microcontroller which avoided obstructions in its path. Developed analytical and design skills and experienced working in a team.

Experience _

Post Graduate Research, Trinity College Dublin (Prof. Stefan Weber)

Dublin, Ireland

RESEARCHER FOR APPLICATION PATTERNS IN DATA CENTER NETWORKS

Jan. 2016 - Aug. 2016

- Currently researching on Application Patterns employed in Software Defined Networks of Data centers
- Implementing a Software Defined Network that translates Application Patterns/Intent into the Network
- Using Mininet Network Emulator, Python, OpenDayLight Controller and Git, the development of the prototype is done on Linux

HARPREET SINGH · RÉSUMÉ MAY 31, 2016

Extracurricular Activities

Dublin University Rifle Club

ACTIVE MEMBER

Dublin, Ireland Sept. 2015 - PRESENT

• Member of the squad for 0.22 small bore rifle

'Ankur' Theatre Society, University of Delhi

ASSISTANT DIRECTOR OF A STREET PLAY

New Delhi, India July 2012 - March 2014

- Was responsible for managing and creatively driving a cast and crew of 20 people of a street play production of which was critically appreciated in the Delhi University Circuit and won numerous competitions
- Involved in numerous Stage and Street Play Productions which won a lot of competitions at the Delhi University Theatre Circuit

Awards _

INTERNATIONAL

3rd Position, "Quanta, the annual International Competition in
Science"-Designed a model motor boat that was made to race among-st other competitors in a swimming pool, with schools from 16 different countries participating

Lucknow, India

DOMESTIC

Michelle's Cup, Awarded for being the best all-rounder student of St. Jude's School

Dehradun, India

Skills _____

Programming Python, Ruby, JAVA, Node.JS, LaTeX

Web Express with Node.JS, AngularJS, MongoDB, HTML5

Tools Git, Vim, Linux, Mininet **Languages** English, Hindi, Punjabi

References

Dr. Stefan Weber

032 Lloyd Institute Trinity College Dublin Stefan.Weber@scss.tcd.ie