

# Harsh Poddar

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**University of Massachusetts Amherst, MA, USA**

Sep'15 – (Exp.) Dec'17

BS in Computer Science, Commonwealth Honors College | GPA 4.0

## Relevant Coursework:

**CS187** Programming w/ Data Structures, **CS220** Programming Methodologies, **CS230** Computer Systems Principles, **CS240** Reasoning About Uncertainty, **CS250** Introduction to Computation, **CS497P** (~CS631 Graduate) Programming Languages **CS311** Algorithms, **CS326** Web Programming, **CS383** Artificial Intelligence, **CS499Y** Independent Study

## Work Experience

- Teaching Assistant for CS220 (Programming Methodologies) at UMass Amherst Fall 2016
  - Conducted discussion sections, held office hours, assisted with redesigning some parts of the course.
- Backend Developer at 101edu, Inc. Fall 2016
  - Developed the RESTful web application to communicate with mobile applications and deployed to a production environment. Technologies used: Spring Boot, MongoDB, AWS, Amazon SNS
- Software Engineering Intern at Microsoft Corporation Summer 2016
  - Added framework functionality to help customers customize their views without touching code.
  - Identified a development issue and created a Chrome extension to reduce development time for multiple teams in Microsoft Dynamics CRM
  - Learned about development lifecycle of enterprise application and ways to reduce maintenance costs
- Research Engineering Intern at ezDI LLC Summer 2015
  - Developed an information retrieval system for medical terms supporting synonyms and multiple user customizable abbreviations which is used by hospitals in US to lookup medical codes
  - Designed the system architecture, RESTful web services, and worked on security module

## Technical Experience

- Advanced knowledge and experience with Java and with Spring framework (DI, Boot, Data, Security, Web)
- Worked with C#, Scala, OCaml, JS, Apache Lucene, JSP-Servlets, Hibernate ORM, MongoDB, MySQL, Redis
- Experienced using Raspberry Pi, Arduino and microcontrollers, and designing circuit boards

## Awards and Honors

- Received Course Citation for one of the top ranks in 4 classes at UMass Amherst 2015
- 1<sup>st</sup> Place AWS, 1<sup>st</sup> Place Groupon and 2<sup>nd</sup> Place Overall at HackHolyoke 2015
- Top in India – Cambridge International A & AS Level Computing 2014
- Top place in TiE Techies2Tycoon with my startup, Phostcard 2013
- Team captain for Learning Hub, a challenge finding and presenting connections 2013

## Projects, Activities and Certifications

- Assisted teachers with curriculum development to introduce CS to Riverside School 2015
- Developed GoPapers – quick access to Cambridge International Examinations past papers 2014  
*gopapers.net – 30,000 students and teachers from 135 countries use this service*
- Made home automation system with microcontrollers, IR emitters, and TRIACs 2013
- Oracle Certified Professional, Java SE 6 Programmer and Java EE 5 Web Component Developer 2012

Last Updated: 29 Mar'17