

Pranav Ramarao

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EDUCATION

UNIVERSITY OF MICHIGAN

MASTERS IN COMPUTER SCIENCE

Expected Dec 2017 | Ann Arbor,
Michigan
Cum. GPA: 3.79

BITS PILANI

BACHELORS IN COMPUTER SCIENCE

May 2015 | Hyderabad
Cum. GPA: 9.29

LINKS

Github:// [pranavr93](#)
 LinkedIn:// [pranavramarao](#)

COURSEWORK

GRADUATE

Information Retrieval
 Natural Language Processing
 Distributed Systems
 Web Systems
 Operating Systems

UNDERGRADUATE

Information Retrieval
 Operating Systems
 Artificial Intelligence + Practicum
 Functional Programming
 Computer Graphics + Practicum
 (Research Asst. & Teaching Asst)
 Unix Tools and Scripting

SKILLS

PROGRAMMING

Proficient in:

C++ • C# • Python • Java

IDE:

Visual Studio • Eclipse •

Familiar:

AS3 • iOS • Android • MySQL

EXPERIENCE

GOOGLE | SOFTWARE ENGINEERING INTERN

June 2017 – August 2017 | Sunnyvale, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

MICROSOFT RESEARCH | RESEARCH FELLOW

July 2015 – July 2016 | Bangalore, India

- Engaged in end to end development of a new e-mail client (Codename – InLook) that supported powerful context based search, auto-completion, spell correction and fuzzy contact search.
- Presented the application at TechFest in Microsoft, Redmond Campus to the executives of the company.
- Public release and press:

GOOGLE SUMMER OF CODE | STUDENT DEVELOPER

June 2015 – Sept 2015 | Bangalore, India

- Closely interacted with the Mono project (Xamarin) team and built a code-visualization tool in Xamarin Studio to help new developers get accustomed to large code bases by giving them quick visual access to the code design and structure.
- Made use of a language service (NRefactory6) based out of Roslyn to fetch the details of the code such as classes, interfaces, class members and hierarchies
- Developed layout algorithms for the same

MICROSOFT RESEARCH | RESEARCH INTERN

Jan 2015 – May 2015 | Bangalore, India

- Worked on 'Debug Advisor' - an information assistant for developers. The system aimed at providing contextual information during bug resolution based on past data from similar solved bugs.
- Made use of Titan (graph database) for the task and developed high performance algorithms for indexing 30 million records in a few hours and returning query responses on this big data within seconds.

RESEARCH

CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with Ashesh Jain and Prof Ashutosh Saxena to create PlanIt, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	2nd most points	Google Code Jam, Qualification Round
2010	National	Comp. Soc. of India's National Programming Contest

SOCIETIES

2014	top 12%ile	Tau Beta Pi Engineering Honor Society
2014	National	The Global Leadership and Education Forum (tGELF)