

Ankit Mishra

<http://ankitmishra.me>
mishra14@gmail.com | (714) 872-0968

EDUCATION

UNIVERSITY OF PENNSYLVANIA

MS IN EMBEDDED SYSTEMS

May 2016 | Philadelphia, PA

GPA: 3.9 / 4.0

MUMBAI UNIVERSITY

BE IN ELECTRONICS ENGINEERING

July 2013 | Mumbai, India

GPA: 4.0 / 4.0

COURSEWORK

Advanced Algorithms
Artificial Intelligence
Distributed Systems (Teaching Assistant)
Network Systems
Internet and Web Systems
Database Systems
Embedded Software and Programming
Real Time Embedded Systems

LINKS

Github:// [mishra14](#)
LinkedIn:// [ankit-mishra](#)
YouTube:// [mishra14](#)
Quora:// [Ankit-Mishra-44](#)

SKILLS

PROGRAMMING

Proficient:

• Java • C • C++ • Python

Experienced:

• JavaScript • PHP • SQL • HTML
• Assembly • Android • C#

Familiar:

• Shell • MySQL • CSS

TECHNOLOGIES

• Amazon Web Services • Azure
• Android • Amazon Echo

AWARDS

2015 Winner|Global Hackathon, Amazon
2013 Winner|Sir Ratan Tata Trust scholarship
2012 Winner|Innovation Grant, Govt. of India
2012 Winner|Sir Ratan Tata Trust scholarship
2012 Runner-up|National Technical Debate

EXPERIENCE

MICROSOFT | SOFTWARE ENGINEER

May 2016 – Present | Redmond, WA

- Working in NuGet team to make .Net package Management software.

AMAZON | SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2015 – August 2015 | Seattle, WA

- Designed and developed an application on Amazon Echo that allows users to track their orders through voice interactions with Alexa voice service.
- Implemented networked caching to reduce service calls by 45%.

UNIVERSITY OF PENNSYLVANIA | RESEARCH ASSISTANT

Jan 2015 - June 2016 | Philadelphia, PA

- Developed a pioneer Java-based tool to convert Markov Decision Problems into Linear programming problem, represented in sparse Matlab matrices.
- Part of a small team which created a new high level networking domain specific language, NetQRE, to perform quantitative analysis over a physical or software defined network.

TATA CONSULTANCY SERVICES | ASSISTANT SYSTEM ENGINEER

Aug 2013 – July 2014 | Mumbai, India

- Developed and tested web-based phone billing system using J2EE, SQL and CSS, receiving a 5-star rating and award.
- Wrote test scripts using QTP and HP QC to reduce turn over time by 50%.

LARSEN AND TOURBO | INTERN

June 2012 – Aug 2012 | Mumbai, India

PROJECTS

SOFTWARE DEVELOPMENT

- Distributed, multi-threaded and scalable web search engine using Java.
- MapReduce platform, built on Java, which can be used to run, control and view MapReduce jobs.
- Decentralized chat application with a reliable, ordered message delivery (over UDP) and message priority using C.
- Multi-functional android and pebble Security System with a worst-case response of 10 seconds using Java and SQL/PHP based Raspberry Pi server.
- Interactive and challenging Atlas game on Amazon Echo.

EMBEDDED SYSTEMS

- Sonar-based, obstacle detection and guidance system for the visually impaired under the Department of Science and Technology, Government of India.
- UPPAAL model and C based system (using LPC 1768 and CMSIS RTX RTOS) to implement a cardiac pacemaker, to prevent bradycardia, with a time assurance of 5 milliseconds delay.