

# Ankit Mishra

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## 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

## SKILLS

### PROGRAMMING

• Java • SQL • C# • Python • Go

### TECHNOLOGIES

• GCP • AWS • Azure • Spark

## PUBLICATION

2017 ACM SIGCOMM | Quantitative Network Analysis with **NetQRE**

## LINKS

Github: [mishra14](#)

LinkedIn: [ankit-mishra](#)

## 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

## EXPERIENCE

### DATABRICKS | SENIOR SOFTWARE ENGINEER

June 2023 – Present | Bellevue, WA

- Tech Lead for a Unified Observability and Product Analytics platform for Databricks.
- Prior to that, contributed as a backend engineer to core customer experiences. Focused on improving stability, scalability and observability.

### GOOGLE | SENIOR SOFTWARE ENGINEER

August 2018 – June 2023 | Kirkland, WA

- Tech Lead and backend engineer working to grow **Business Messages** on Google Search and Maps.
- Building micro-services based distributed systems and analytics infrastructure for **4+ Billion** devices.
- Leading 10+ engineers on multiple, full-stack efforts improving E2E product latency and conversational quality.

### MICROSOFT | SOFTWARE ENGINEER

June 2016 – August 2018 | Redmond, WA

- Worked on **NuGet**, a cross-platform package manager.
- Developed a new package signature format used across .NET ecosystem.

### AMAZON | SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2015 – August 2015 | Seattle, WA

- Developed an order tracking app for Amazon Echo via voice interactions with Alexa. Optimized service calls by 45% with a network cache.

### UNIVERSITY OF PENNSYLVANIA | RESEARCH ASSISTANT

Jan 2015 - June 2016 | Philadelphia, PA

- Created a new high level networking domain 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

### LARSEN AND TOURBO | INTERN

June 2012 – Aug 2012 | Mumbai, India

## PROJECTS

### SOFTWARE DEVELOPMENT

- Distributed web search engine using Java.
- Decentralized chat app with a reliable, ordered message delivery (over UDP) and message priority using C.

### EMBEDDED SYSTEMS

- Sonar based, guidance system for the visually impaired for Department of Science and Technology, Government of India.