

# Navdeep Singh

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## EDUCATION

### UNIVERSITY OF ARIZONA

MS IN COMPUTER SCIENCE  
May 2020 | Tucson, AZ

### UNIVERSITY OF ARIZONA

MINOR  
ELLER COLLEGE OF MANAGEMENT  
Information security<sup>1</sup>  
Risk Management<sup>2</sup>  
Percentile: 99<sup>1</sup> and 100<sup>2</sup>

### STANFORD UNIVERSITY

SUMMER COURSEWORK  
Machine Learning  
Percentile: 97

## SUPERPOWERS

### MANAGEMENT

- Exceptional Communication
- Deep Technical Background
- Negotiation
- Organization
- Thrive in Ambiguity
- Work at Scale
- System Design
- Strong Leadership
- Influence without Authority
- Backbone to disagree and commit
- Strategic Thinking
- Team Building and Mentoring

### PROGRAMMING

Over 10000 lines:

Javascript • SwiftUI • Java • HTML • GraphQL • MySQL

Over 5000 lines:

C • C++ • CSS • Swift • Lodash • Python

Familiar:

Unix •  $\text{\LaTeX}$  • HDFS • Flutter

Patterns:

React • Redux • Spring Boot • Horizonte  
• jQuery • Architecture on AWS • Web Services • MapReduce • Jenkins • Git

## LINKS

Website:// [navsing.com](https://navsing.com)

Github:// [navsing](https://github.com/navsing)

Twitter:// [navsing](https://twitter.com/navsing)

LinkedIn:// [navsing](https://www.linkedin.com/in/navsing)

## EXPERIENCE

### AMAZON

#### SR. TECHNICAL PROGRAM MANAGER - L6

Oct 2019 - Present | Seattle

- Owns overall operations and preparations for large-scale events such as Prime Day and Black Friday for Amazon globally, enabling 200+ services to render the customer experience on the Amazon detail page.
- Represents Amazon's detail page and buying experience in the office with management, partners and senior Tech leadership.
- Driving and scaling operational efficiency programs across Amazon to enhance the developer experience at Amazon and help systems run faster while saving the company millions each year.

#### SOFTWARE ENGINEER II - L5

May 2018 - Oct 2019 | NYC

React, Redux, JavaScript, Java, MySQL, Scripting, AWS

- Full Stack Software Engineer.
- Designed and developed Audible's content management systems and Audible's publishing tools.
- Mentored two interns. Both received a full-time offer from Amazon.

#### NOAO | CHIEF PROGRAMMER

May 2017 - May 2018 | Tucson, AZ

- **Architect:** Designed and developed a software infrastructure to process alerts generated by LSST (largest telescope in the world being built in Chile).
- **Management:** Interface between Astronomers, UX and Engineers.

#### DATA LAB - UA | RESEARCHER

Aug 2016 - May 2018 | Tucson, AZ

- **Ownership:** Individual Research focusing on Distributing Computing and Computer Networks.
- **Productizing and Implementation:** Integrated novel networks (NDN) with Hadoop from conceptualization to launch.
- **Data Analysis:** Analyzed debug level Hadoop traces (log files - Gigabytes in size)

#### INFOSYS LTD. | SOFTWARE ENGINEER

June 2014 - July 2016 | India

- Worked both within Infosys and its corporate clients.
- Dot Net developer involved in software development, automated testing, performance optimization, data structures utilizing object oriented programming, C#, ASP.NET, XML, MVC, Entity Framework, SQL. Worked both in Agile and Waterfall methodologies.
- Worked as a part of the development team to code, test, optimize and ship.

## PUBLICATIONS

- [1] Machine learning-based brokers for real-time classification of the lsst alert stream. *Instrumentation and Methods for Astrophysics*, 2018.
- [2] N. Singh and R. Dhiman. A survey on data aggregation and clustering schemes in underwater sensor networks. *Science Engineering Research Support Society*, 2014.
- [3] N. Singh and R. Dhiman. Fuzzy logic based clustering algorithm for network optimization. *International Journal of Systems, Control and Communications*, 2015.