

# Nimesha Muthya

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## EDUCATION

University of Michigan, Ann Arbor

Class of 2017

B.S. in Computer Science

Related Coursework: Information Retrieval and Web Search, Machine Learning, Natural Language Processing, Web Databases and Information Systems

Technical Skills: C++, Python, Java, Node.js, React, Amazon Web Services (AWS)

## EXPERIENCE

Software Engineer, NORDSTROM

July 2017 - Present

*Price and Promotion Service, microservices that provide most accurate price and promotion data*

- Implementing a daily audit service to maintain data integrity regarding price, promotion, product data among three different databases using Java
- Implementing an adapter in Java to convert promotions stored in Neo4J graph database to an XML format for the Point of Sale (POS) modernization initiative to push promotions to stores in real time
- Working on test automation for pushing promotions, dockerizing POS registers to test promotions

*Off-Price Clearance Tool (OPCT), a tool merchants use to markdown items for clearance for Nordstrom Rack, in ReactJS*

- Improved code coverage from 28% to 75+%
- Built customizable features such as creating and saving custom views, suggesting markdown prices to make it easier for business users to identify and approve items for markdown which received positive feedback from business users and minimized markdown time from 2 days to a couple of hours
- Enabled LDAP authentication to enable only business users to access OPCT

Software Engineering Intern, NORDSTROM

Summer 2016

*Price Service Team, a restful service built entirely on AWS that delivers most accurate price of items in real time to various supply chain channels*

- Created a monitoring system using ELK stack to ensure price data integrity in AWS DynamoDB, monitor backend workflow on AWS Lambda, evaluate overall system health and performance
- Minimized debugging time by over 50% and saved over \$10,000 on Splunk licensing by moving service analytics to Elasticsearch

Software Engineering Intern, NORDSTROM

Summer 2015

*Business Intelligence Team*

- Automation of code migration and image upload to all environments in Microstrategy through a web interface
- Saved 10+ hours of work per week through automation efforts

Analyzed price matching impact on sales using D3.js and Microstrategy to create an interactive dashboard to provide greater business insight into how price matching drives sales

Software Engineering Intern, Spectrum Controls

Summer 2014

Utilized Achilles Test Software to test WebPort, a remote access gateway that allows interaction with automation systems, against security attacks

- Found major bugs to be further tested and fixed to prevent security attacks

## PROJECTS

MoodBox

Project Description: Web application conducts sentiment analysis on user's speech transcript to determine user's mood and uses Spotify API to generate a customized playlist based on user's music preference

## EXTRACURRICULAR

Kappa Theta Pi Member

2014-2017

*World's first co-ed professional technology fraternity*

Led a team of developers and designers as part of the consulting initiative management team to deliver on web applications and websites for various student organizations