

# Amaresh “Ankit” Siva

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## OBJECTIVE

To gain experience in software engineering or data science for Spring and Fall 2018.

## EDUCATION & HONORS

### GEORGIA INSTITUTE OF TECHNOLOGY

#### Bachelor of Science in Computer Science, May 2020

Atlanta, Georgia

August 2016 – Present

- Threads: Intelligence & Theory
- GPA: 4.0
- Awarded Faculty Honors by Georgia Tech for achieving perfect GPA, academic year 2016-17

### NATIONAL PUBLIC SCHOOL, KORAMANGALA

#### Secondary School Leaving Certificate

Bangalore, India

January 2010 – March 2016

- GPA: 93.6/100
- Awarded scholarship by Indian Government, one of 844 students to receive scholarship out of 1.1 million who appeared for the National Talent Scholarship Exam in the 10<sup>th</sup> grade

**Coding Languages:** Java, Python, C++, C, SQL (MySQL), JavaScript, Scala, Ruby.

## EXPERIENCE

### Minnesota Extensible Language Tools (MELT) Lab

#### Research Assistant

Minneapolis, Minnesota

May 2017 – August 2017

- Created a data science language based on Linear and Tensor algebra operations
- Designed the syntax, semantics and features of the language extension
- Coded in C and Silver (an open-source functional language)
- Implemented efficient n-dimensional matrix and tensor operations
- Added documentation and tutorial guides for new users for the project as a whole
- Containerized dev-environment with Docker for hassle-free set-up, development and testing, with CI integration

### WiredIn

#### CFO/COO, Head of Backend Development

Bangalore, India

December 2013 – March 2015

- Co-founded a startup in high school that tried solving the communication gap in Indian high-schools
- Placed fourth at Microsoft Startup Weekend: only high school team in the contest of 20 teams
- Garnered monetary support of \$60,000 from Microsoft to use the Azure cloud platform as a BizSpark+ company
- Built the backend service with Ruby on Rails, MySQL and Windows Azure
- Launched product at YourStory Launch Friday, alongside Uber India and IBM BlueMix India; presented at Target

## PROJECTS

- Building a virtual shopping assistant that incorporates natural language processing, Google Assistant and Facebook Messenger to aid users at supermarkets such as Target and Walmart with JavaScript, Node.js and Express.js
- Worked on the telemetry system for Georgia Tech Solar Racing using Node.js, MongoDB, JavaScript and HTML5
- Submitted a smart course scheduling app to HackGT 2016 built on Python, Flask and HTML5

## SKILLS & INTERESTS

**Technologies:** Linux (Ubuntu, Debian and CentOS), Node.js, Docker, Flask, Django, Rails, Azure, AWS, GCP, api.ai, working knowledge of MongoDB and Cassandra

**Languages:** Tamil (native), Hindi (fluent), Kannada (conversational)

**Activities:** KNIT Mentor, Badminton, Georgia Tech Solar Racing, Big-O Theory CS Club, Mentoring High School Start-ups, Foreign Language and Concept Films, and Quizzing