Amaresh Ankit Siva

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OBJECTIVE

To gain experience in the fields of Software Engineering, Data Analytics, and Software Development in a corporate environment through an internship in Fall 2018 or Spring 2019

EDUCATION & HONORS

GEORGIA INSTITUTE OF TECHNOLOGY   **Atlanta, Georgia**
Bachelor of Science in Computer Science, May 2020   *August 2016 – Present*
- GPA: 4.0
- Awarded Faculty Honors by Georgia Tech for achieving perfect GPA, academic year 2016-17

NATIONAL PUBLIC SCHOOL, KORAMANGALA   **Bangalore, India**
Secondary School Leaving Certificate   *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 10th grade

EXPERIENCE

Minnesota Extensible Language Tools (MELT) Lab   **Minneapolis, Minnesota**
Research Assistant   *May 2017 – August 2017*
- Created a data science based Linear and Tensor algebra language extension for C at the University of Minnesota
- Designed the syntax, semantics and features of the language extension
- Coded in C and Silver (an open-source functional language developed at the MELT Lab to create extensible languages)
- Implemented efficient n-dimensional matrix and n-dimensional tensor operations
- Added documentation and tutorial guides for new users for the Silver project as a whole
- Containerized dev-environment with Docker for hassle-free set-up, development and testing

WiredIn   **Bangalore, India**
CFO/COO, Head of Backend Development   *December 2013 – March 2015*
- Co-founded a startup in high school that aimed to solve communication problems between teachers and students in Indian classrooms
- Placed fourth at Microsoft Startup Weekend: only high school team in the contest
- Garnered monetary support of $60,000 from Microsoft to use the Azure cloud platform with a BizSpark+ subscription
- 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, and presented at Target Learning Week

Current Projects   **Atlanta, Georgia**
- 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
- Working on the telemetry system for Georgia Tech Solar Racing to transmit car data to a trail car using Node.js, MongoDB, Javascript and HTML5

Completed Projects   **Atlanta, Georgia**
- Submitted a smart course scheduling app to HackGT 2016 built on Python, Flask and HTML5

SKILLS & INTERESTS

Coding Languages & Technologies: Java, C, Linux (Ubuntu, Debian and CentOS), C++, SQL (MySQL), Node.js, Javascript, Docker, Scala, Python, Ruby, Flask, Django, Rails, Azure, AWS, GCP, api.ai with working knowledge of MongoDB and Cassandra.

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