

Nishant Chandrashekar

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Education

University of California, Davis

Computer Science and Engineering

August 2014 – June 2018

(expected)

Technical Courses: Discrete Mathematics • Data Structures • Algorithm Design • Embedded Systems • Programming Languages • Communication • Computer Architecture • Pipelining and Multiprocessors • Software Engineering • Technology Management • Computer Networks • Senior Design Project

Activities: Lashkara (1 year): Contemporary Bollywood dance team. Emphasized Teamwork and Cooperation.

Experience

Front-End Engineering Intern - b8ta, Inc.

June 2017 - September 2017

A technology retail based start-up that focuses on customer satisfaction and their interaction with products. It improves the market for other startups by selling their products through a retail-as-a-service model.

- Created a UI for payment checkout process to work with an external card reader using ReactNativeJs
- Implemented multiple webpages for different upcoming store locations using ReactJs
- Created feature using ReactJs increasing number of returning customers and purchases
- Created backend and frontend support to add a product details page to app to all tablets in 50 new stores.

System Administrator – Digital Media Academy

July 2014 – September 2015

A company with STEM camps and academies that drives kids and teens to work on hands-on projects, incorporating basic knowledge with the mentality to spur them to explore and create something of their own. It creates opportunities to explore different fields and to interact with new technologies.

- Created infrastructure to maintain 1000+ computers across 27 major universities in the United States and Canada
- Produced multiple scripts, facilitating creation and maintenance of 10,000+ accounts for students and staff
- Automated CPU image correction tasks for the corporate office, saving 3 hours in manual labor

SEMI High Technology University Program Ambassador – SEMI Foundation

October 2013 – Present

A program that helps high school students get exposed to the technology industry by working directly with leaders from companies as well as professionals in the technology field. The students cultivate and utilize STEM skills to create a connection between STEM classes and tech careers.

- Increased attendance to High Tech University Program by promoting at Fairchild
 - Increased Scholarship Fund for High School Students through a presentation at SEMICON West
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Projects

Display 2.0 Application: Improved a ReactJs application with new features and details resulting in an increase in returning customers as well as revenue in 54 stores across the nation.

City Electricity Satisfaction: Built a search algorithm using basic Data Structures to efficiently find least number of transfers to satisfy city electricity requirements with electricity produced at each city.

DM-Cache: Implemented a Direct Mapping Cache utilizing C++ in order to understand the inner workings of a CPU memory design.

Huffman Encoding: Built a C++ program to encode and decode image files using Huffman Encoding

Pipelining: Implemented a multi-cycle pipeline CPU Design including Hazard detection segment utilizing Logisim

Skills/Languages

Languages: C++, Java, ReactJs, Apple Script, HTML, CSS, Python