

## EDUCATION

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- **University of California, Los Angeles** Los Angeles, CA  
*Master of Science in Computer Science* Jun. 2020(*expected*)
- **National Institute of Technology Karnataka(NITK)** Surathkal, India  
*Bachelor of Technology in Information Technology; GPA: 8.74/10.0* May. 2016

## PROGRAMMING SKILLS

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- **Languages:** Java, Python, Javascript, C, C++, SQL, Unix Shell
- **Frameworks/Platforms:** Node.js, Android, React.js, Google App Engine, Git, Selenium, Appium, SpringBoot, Nginx

## EXPERIENCE

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- **Intuit** Bangalore, India  
*Software Engineer 2, Platform Engineering* Aug. 2016 - Sep. 2018
  - **Test Execution Platform:** Built web-services to expose infrastructure like browser-farms, mobile-devices through selenium grids for functional testing. Implemented allocation & scheduling algorithms that ensured synchronization of test sessions. *Skills: Java, Selenium, Appium, MySQL, CICD, Functional Testing.*
  - **Services Fabric:** Developed monitoring tools to visualize the real-time traffic flowing through the services ecosystem at Intuit, enabling speedy outage diagnosis. Implemented fundamental design changes to the Services Gateway. *Skills: React.js, SpringBoot, Nginx, API-Gateway, Services Registry, Microservice Architectures.*
- **CampusConnect** Surathkal, India  
*Co-founder, Technical Lead* Aug. 2015 - Mar. 2016
  - **Backend Development:** Built backend web-services hosted on Google's App Engine. Leveraged services like Blobstore, Memcache and NDB for various use-cases and exposed REST APIs to end clients.
  - **Android Development:** Built an Android app from scratch and integrated with backend web-services. Wrote an Object Relational Mapper from scratch to create a caching module that worked across Android versions.
  - **Newspaper Article:** Received 5000+ downloads on Play Store & awarded a pre-seed grant of ₹300,000 (\$5000).
- **Metis Analytics** Bangalore, India  
*Research Intern* Dec. 2014 - Jan. 2015
  - **Twitter Profiling System:** Built a system that crawled twitter and profiled user interests based on semantic understanding of their twitter activity. *Skills: Python, Twitter API's and Text Analysis Web-Services.*
- **NITK Surathkal** Surathkal, India  
*Student Collaborator, Global Cyber Learning Factory* Jan. 2015 - May. 2015
  - **Knowledge-base Application:** Was 1 among 5 students selected from a class of 103 to work on a collaborative project between universities in USA, India and Bosnia. Built a web application that served as a digital directory of services offered by the MH/ID office at Centre County, Pennsylvania. *Skills: HTML, CSS, Database Design.*

## PROJECTS

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- **SemAcSearch:** Built a web-based prototype of an academic search engine - crawler, page-ranker, search interface.
- **Regular Expression Parser:** Built a regex parser in Java using concepts in Automata Theory.
- **E-commerce Website:** Built using the Python Django framework. Relational Database with normalizations was created on SQLite. All major e-commerce workflows implemented.
- **Inventory Forecasting App:** Built an Android app that forecasted the Inventory requirements of small businesses based on timeseries data. This was the winning submission to Intuit India's intern hackathon, held in 2015.
- **CollegeApp:** Android app for students providing utilities like Attendance Manager, Time Table, Expense Manager.

## PUBLICATION

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- **Paper Publication:** Rishab Ketan Doshi, Shravan Karthik, Sowmya Kamath S. 2017. SemAcSearch:A Semantically Modeled Academic Search Engine. IEEE Conference on Information and Communication Technology.

## ACHIEVEMENTS

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- **Topgun, Intuit:** Awarded to only 5 from 700+ engineers at Intuit India. Received in the category - '**Learn Fast**'.
- **Winner-Synthessence:** Won the Data Hackathon held at *Engineer-2014*, NITK's annual technical fest.