

# Rishab Ketan Doshi

<https://rishabdoshi.com>

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## EDUCATION

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- **University of California, Los Angeles** Los Angeles, CA  
*Master of Science in Computer Science; GPA: 3.875/4.0* Feb. 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, PHP, C, C++, SQL, Unix Shell
- **Tools:** Node.js, Android, React.js, Docker, AWS, Git, Selenium, SpringBoot, Nginx, Splunk, MongoDB

## EXPERIENCE

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- **Houzz Inc.** Palo Alto, CA  
*Software Engineering Intern, Consumer Experience* Jun. 24 2019 - Present
  - **Search Engine Optimization:** Full Stack development on the Consumer Experience team. Building features, tools that improve search engines ability to effectively understand content on Houzz's website of millions of pages.
- **Intuit** Bangalore, India  
*Software Engineer 2, Platform Engineering* Aug. 2016 - Sep. 2018
  - **Services Fabric:** Implemented fundamental design changes to the API Gateway enabling quicker onboarding experience for Web Services within Intuit. Developed monitoring tools to visualize the real-time traffic flowing through the services ecosystem at Intuit, enabling speedy outage diagnosis. *Skills: React.js, SpringBoot, Nginx, API-Gateway, Services Registry, Microservice Architectures.*
  - **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.*
- **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).

## TEACHING

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- **TA Instructor, UCLA, Spring 2019:** CS35L - Software Construction Laboratory. Topics: Shell Scripting, Unix, Security Concepts, Change management, Multi-threading, Python
- **Teaching Assistant, UCLA, Winter 2019:** CS31 - Introduction to Computer Science. Topics: C++ fundamentals.

## PROJECTS

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- **Quantum Programming:** Implemented fundamental quantum algorithms in frameworks like Q#, PyQuil & Cirq.
- **Search & Evaluation Engine:** Made a wikipedia dataset searchable, implementing custom spell-checkers, ranking functions and analyzers using Elastic Search.
- **SemAcSearch:** Built a web-based prototype of an academic search engine - crawler, page-ranker, search interface.
- **E-commerce Website:** Built using the Python Django framework. Relational Database with normalizations was created on SQLite. All major e-commerce workflows implemented.

## 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.