

Rishab Ketan Doshi

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EDUCATION

- **University of California, Los Angeles** Los Angeles, CA
Master of Science in Computer Science *Sep. 2018 – Jun. 2020(expected)*
- **National Institute of Technology Karnataka** Surathkal, India
Bachelor of Technology in Information Technology; GPA: (8.74/10.0) *Jul. 2012 – May. 2016*

EXPERIENCE

- **Intuit** Bangalore, India
Software Engineer 2, Platform Engineering *Aug. 2016 - Aug. 2018*
 - **Test Execution Platform:** Built web-services to expose infrastructure like browser-farms, mobile-devices(Android,iOS) through selenium grids for functional testing. Implemented allocation & scheduling algorithms that ensured synchronization of test sessions.
Technologies: Java, Node.js, Selenium, Appium
 - **Services Fabric:** Developed monitoring tools to visualize the real-time traffic flowing through the services ecosystem at Intuit, enabling speedy outage diagnosis. Further implemented fundamental design changes to API-Gateway, thereby learning about the micro-services architecture.
Technologies: React.js, SpringBoot, Nginx
- **CampusConnect** Surathkal, India
Co-founder, Technical Lead *Aug. 2015 - Mar. 2016*
 - **Backend Development:** Hosted the backend 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 Mapping library 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).
- **Intuit** Bangalore, India
Summer Intern *May. 2015 - Jul. 2015*
 - **Quickbooks Online:** Wrote a web-service to generate custom financial reports using Java APIs for MS Excel.
 - **Inventory Forecasting App:** Built an Android app that forecasted the Inventory requirements of small businesses based on timeseries data.
- **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. Built using Python, Twitter API's and Text Analysis Web-Services.

PROJECTS

- **Regular Expression Parser:** Built a regex parser in Java using concepts in Automata Theory. *Nov. 2014*
- **E-commerce Website:** Built a complete e-commerce website using the Django framework. This was done as a project for the undergraduate course on Database Systems. *Nov. 2014*
- **TCP/IP Stack:** Implemented the TCP/IP stack in C - Application Layer to Physical Layer.(OSI Model) *Apr. 2014*
- **CollApp:** Android app providing utilities like Attendance Manager, Time Table, Expense Manager. *Apr. 2014*

PROGRAMMING SKILLS

- **Languages:** : Java, Python, Javascript, C, SQL, Unix Shell
- **Frameworks/Platforms:** : Node.js, Android, React.js, Google App Engine, Neo4j, Selenium, Appium, SpringBoot

ACHIEVEMENTS

- **Topgun:** Intuit-FY17Q2- Awarded to less than 5 from 700+ engineers at Intuit India. Award category '**Learn Fast**'.
- **Paper Publication:** 2017. SemAcSearch:A Semantically Modeled Academic Search Engine . IEEE CICT.
- Among 5 selected from 103 B.Tech NITK students for a collaborative project with Penn State University. We created a web-application that served as a knowledge base of services offered by Centre County(PA) Office of Mental Health and Intellectual Disabilities