Rishab Ketan Doshi

https://rishabdoshi.com

rishabkdoshi@ucla.edu
(213) 929-9396

EDUCATION

- **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*

EXPERIENCE

- **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*
  - **Knowledgebase Application**: ▪ 1 among 5 students selected from a class of 103. ▪ Collaboration between teams from Penn. State University, NITK Surathkal & Sarajevo School of Science & Technology. ▪ Built a web app that served as a digital directory of services offered by the MH/ID office at Centre County,PA.

PROJECTS

- **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.
- **SemAcSearch**: Built a web-based prototype of an academic search engine - crawler,page-ranker,search interface.
- **CollegeApp**: Android app for students providing utilities like Attendance Manager, Time Table, Expense Manager.

PROGRAMMING SKILLS

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

PAPER PUBLICATION

- **Paper Publication**: 2017. SemAcSearch:A Semantically Modeled Academic Search Engine. IEEE CICT.

ACHIEVEMENTS

- **Topgun**: Intuit-FY17Q2- Awarded to less than 5 from 700+ engineers at Intuit India. Award category *'Learn Fast'*.
- **AIEEE-2012**: Finished in the top 1% in the All India Engineering Entrance Examination-2012, an exam taken by 1.1 million students.