

# Varun Dani

Software Engineer | student at Georgia Tech

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<https://varundani.github.io/>

## Education

Georgia Institute of Technology **Atlanta, GA.** M.S., Computer Science (4.0) **Expected Dec 2018**

The University of Texas at Dallas **Richardson, TX.** M.S., Computer Science 2016 – 2017

Ganpat University, **Gujarat, India** B. Tech., Information Technology 2008 – 2012

## Work Experience

### Software Development Intern (Java)

May 2018 - Aug 2018

R&D Department, OneTrust, Atlanta

- Development in Multi-tenant Microservice architecture with Spring Boot, Hibernate, Mockito, Azure and development in PWA and AMPs on frontend
- Improved performance of core API to **5** Micro Seconds having **200 M/day** http requests

### Graduate Teaching Assistant

Aug 2017 - May 2018

College of Computing, Georgia Institute of Technology

- Assist/grade Graduate students for Subject - Software Development Process

### Software Engineering Intern

May 2017 - Aug 2017

Copart Inc. Dallas, Texas

- Development of software component in AngularJS, Typescript, Java, Spring Boot
- Deliver new version of Product by planned Sprints in Agile environment
- Effective communication with Business and DevOps Team for product delivery

### Senior Software Engineer (ITA)

Sep 2012 - July 2016

TATA Consultancy Services, India

- Key member of Framework Team for Taxation Projects and Module Lead for Registration and Payment modules for one of the Taxation Projects
- Working with framework team to develop various components of TCS's taxation framework using technologies like J2EE, Spring, Hibernate, OpenLDAP, Alfresco
- Lead for the customized Dashboard framework (**\$250K+** contribution in revenue): Reports can be custom generated from materialized View (or JSON) and configured in terms of columns, parameters, and filters after customization of Data Tables
- Lead for Client-Side Utility project: JavaFX desktop application that works offline and synchronize on internet connection

### Software Engineering Intern

Dec 2011 – Apr 2012

TATA Consultancy Services, India

- Developer and team member for projects that involves integrated work flow system
- Developed web components in Java and ZK framework

## Projects

### • Domestic Taxation Framework Project

- Framework used by **5+** states of India for collecting Indirect Taxes from **10M+** citizens
- Framework serve **15000+** http calls per hour
- Architect, Design, and Development of Framework including various components in J2EE, Spring, Hibernate

### • YouTube 8M Challenge (**Kaggle** Competition) (TensorFlow)

- Machine learning team project for analysing and classification of YouTube videos
- Used Google cloud Machine Learning engine to achieve GAP value **0.7036**

### • CodeGenAI – Creativity Support Tool for Code Generation from Natural Language

- AI agent that uses seq2seq model to predict code from natural language
- Created Frame structure: Independent of language architecture and can convert code to any mapped language as Java, Python, JavaScript

## Area of Expertise

Programming: Java, J2EE, JavaFX, Python, Android, C, SQL, PL-SQL.

Frameworks: Hibernate, Spring, Mockito, SOAP, Jersey(RESTful), JCS, jBPM, ZK.

Web: Angular JS, Node.js, PWA, AMP, HTML, CSS, JavaScript, jQuery, Selenium, AJAX, JSON, REST API, Bootstrap-css.

Database: PostgreSQL, MySQL, Oracle9i, Mongo DB.

Big Data: Hadoop, MapReduce, Yarn, HDFS, Spark, Hive, Pig.

Other: Apache Tomcat, JBoss AS7, Apache Solr, ElasticSearch, and Agile (SCRUM).

## Certifications

- **"Mobile Web Specialist"** – Udacity ND
- **"R" For Data Scientists** – UT Dallas.
- **Big Data Technologies** – Hadoop, Pig, Hive – UT Dallas.
- **Advance Java [J2EE] Certification.**

## Achievements

- **Google Developer Challenge Scholarship** - 2018 Recipient.
- **Honorary Mentions:** Convergence Innovation Competition, Fall-2017.
- **Award Winner:** "Technical Excellence", for cohesive architecture building of framework
- **Award Winner:** "Best Practice", as Lead of customized Dashboard Framework.
- **Valedictorian honor with Gold Medal** - Ganpat University.

## Courses

- Knowledge Based Artificial Intelligence
- Computational Creativity
- Software Mining
- Machine Learning
- Design and Analysis of Algorithms
- Object Oriented Software Engineering
- Mobile Applications and Services
- Network Security

## Leadership

- **Career Fair Volunteer:** Georgia Tech
- **Engineers Week Volunteer:** UT Dallas
- **Food4Life Atlanta** - Volunteer