

Varun Dani

Software Engineer | student at Georgia Tech

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Profile

Full stack developer with 4 years of experience in designing and implementing software applications and frameworks working with an agile team, well versed in managing team members and also to be a team player to ensure timely completion of all deadlines.

Education

Georgia Institute of Technology Atlanta, GA. M.S., Computer Science	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

Graduate Teaching Assistant

Aug 2017 - Present

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.
- Effectively 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 & 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: Reports can be custom generated from materialized View (or JSON) and configured in terms of columns, parameters, and filters after customization of Data Tables.
- Implemented Near Site and Far Site structure for fetching transactional/report Data
- 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
 - Architect, Design, and Development of Framework including various components in J2EE, Spring, Hibernate.
- YouTube 8M Challenge (Kaggle Competition)
 - Machine learning team project for analysing and classification of YouTube videos.
 - Achieved rank 79th in competition among 450+ teams.
 - Used Google cloud Machine Learning engine to achieve GAP value 0.7036
- AI Agent to Solve Raven's Progressive Matrices.
 - AI agent that implements cognitive methodologies and semantic nets to solve RPM.
- Let's Teach
 - Android Mobile Application to Connect Learners to volunteers.
 - Includes Google App Engine and Firebase with api.ai support and Amazon Alexa skill.

Area of Expertise

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

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

Web: Angular JS, HTML, CSS, JavaScript, jQuery, XML Schema (XSD), AJAX, JSON, REST API, Bootstrap-css

Database: PostgreSQL, Enterprise DB, MySQL, Oracle9i, Mongo DB

Other: Apache Tomcat, JBoss AS7, Iterative Waterfall, prototype and Agile (SCRUM).

Certifications

- "R" For Data Scientists – UT Dallas
- Big Data Technologies – Hadoop, Pig, Hive – UT Dallas.
- Advance Java Certification program for web development with [Excellent] grade

Achievements

- "Best Practice" award across TCS as leader of customized Dashboard Framework Development.
- "Technical Excellence" award for cohesive architecture building of framework.
- Valedictorian honor with award of two gold medals in IT- Ganpat University.

Courses

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

Leadership

- Engineers Week Volunteer: UT Dallas
- Career Fair Volunteer: Georgia Tech