Varun Dani

Software Engineer | student at Georgia Tech

📞(469)988-7558 ✉ varun.dani@gatech.edu

🔗 https://varundani.github.io/
in www.linkedin.com/in/varun-dani

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 (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

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 (**$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.
   - 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.
   - 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

- 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, Cloud Functions and Firebase with **dialogFlow** support
     that enables access from Amazon Alexa, Google Home, Skype, Slack, LINE, Web.

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, Node.js, HTML, CSS, JavaScript, jQuery, XML Schema (XSD), AJAX, JSON, REST API, Bootstrap-css

Database: PostgreSQL, MySQL, Oracle9i, Mongo DB

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

Certifications

- **"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 - 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