

**SUMMARY:**

- Pursuing Master's degree in Computer Science at Virginia Tech, graduating in December 2018.
- Machine Learning and Programming enthusiast with 4 years of work experience, seeking full time job opportunities.

**TECHNICAL SKILLS:** Python, Java, C/C++, HTML5, CSS, JavaScript, REST, JSON, Shell, PHP, R, MySQL, Oracle, Linux, Machine Learning, MATLAB.

**TOOLS/APIs:** Git, Scikit-learn, TensorFlow, Keras, Android/Wear SDK, Eclipse RCP, Lucene.

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**EDUCATION:**

**Virginia Tech, Blacksburg, VA, United States**

Aug 2016 - Present

Master of Science (Computer Science & Applications)

GPA - 3.9/4.0

Courses: Data Analytics, Theory of Algorithms, Software Engineering, Computer Vision, Statistics, Models of HCI.

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**PROFESSIONAL EXPERIENCE:**

**Software Engineer, TCS Innovation Labs, Pune, India**

May 2012 – Jun 2016

Worked as a JAVA developer and Data analyst.

**Human Data Collection Platform (HDCCP):**

Feb 2016 – Jun 2016

- Technologies Used: J2EE, REST, Linux, JSON, Android SDK, PostgreSQL, Geocoder and Google Maps APIs.
- Developed android apps and web services for collecting, visualizing and curating real-time sensor data and surveys from smart devices.

**Social Sim Engine (SSE)**

Sept 2015 – Jan 2016

- Technologies Used: Java, Eclipse RCP, Hibernate, Spring, MySQL, Weka
- Developed workflows and dashboards for the SSE desktop application. Developed Eclipse RCP plugins for search, retrieval and parsing of regression models in SSE.

**Human Centric Systems, TCS Innovation Labs, India**

May 2012 – Aug 2015

- Technologies Used: Java, Python, Pandas, scikit-learn, REST, JSON, Repast, Backbone.JS, NetLogo, GAMA
- Implemented various research projects like, EnterpriseSim and Multi-Source Data Miner.

**Team Lead, Tata Consultancy Services, Trivandrum, India**

Jan 2012 – May 2012

Conducted initial Research & Proof of Concept for projects along with software and architecture development.

- Lead a team of five, in a project involving design, development, testing and maintenance for an insurance services organization.
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**PROJECTS:**

- **Forest Detector:** Developed a web service for classifying forest cover in aerial images of continental US by applying deep learning (Convolutional Neural Networks), using **Python, Pandas, Flask, TensorFlow, Keras**.
  - **EpiViz.:** Designed and implemented an interactive framework for visualizing and tracking epidemic data, using **Python, Pandas, Plotly, Oracle DB, Linux**.
  - **Shot Predictor:** Developed an application for predicting vaccine adoption using classification algorithms like: **Decision trees, ANNs, Bagging and AdaBoost**, using **R, Shiny**.
  - **ApartMates:** Web application to enable delegation and sharing of responsibilities and expenses in shared apartments, built using: **JavaEE, JSF, PrimeFaces, JPA, MySQL, HTML5, JavaScript, JAX-RS**.
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**ACHIEVEMENTS:**

- Completed the Deep Learning Nanodegree Program offered by Udacity.
- Microsoft certified specialist: Programming in HTML5 with JavaScript and CSS3.
- Top 10% in Kaggle's KDD Cup 2013, Microsoft Academic Search Author Disambiguation Challenge.
- Certificates of accomplishment with distinction from Coursera in: Machine Learning, Core Concepts in Data Analysis and Startup Engineering.
- Received TCS Star of the learner's group award for my contributions in various projects.