

# KRISHNA CHAITANYA YALAMANCHILI

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## TECHNICAL SKILLS

- **Programming Languages:** Java, Perl, HTML5, CSS, JavaScript, XML
- **Database:** Oracle, PL/SQL, RDBMS, MySQL, XQuery, MQL
- **Software:** Eclipse, Jupyter, Toad, Xdebug,
- **Operating System:** Windows, UNIX, LINUX

## WORK EXPERIENCE

### • NXP SEMICONDUCTORS

Austin, Texas

#### *Software Engineer*

(Jan 2016–Present)

*Skills: Java SE, Perl, Tcl, Selenium Webdriver, Tableau ,Microsoft PowerBI*

- Full stack web development and maintenance of internal websites and tools.
- Actively involved in Migration modules which includes Web Integration, Data Migration and Data validation
- Worked on Data mining algorithms to calculate the IP reuse metrics within the company.
- Worked on building UI Regression test scripts using Selenium Web Driver.
- Responsible for generating and embedding Data Analytics Reports using Tableau and Microsoft Power BI.

### • NXP SEMICONDUCTORS ( FREESCALE SEMICONDUCTORS)

Austin, Texas

#### *Software Engineering Intern*

(May 2015–Aug 2015)

*Skills: PHP, Perl, Xdebug, WebcacheGrind, XML*

- Analyzed team's existing infrastructure and identified areas of improvement in the Packaging and Assemble Rule Interface System's website interface.
- Improved the performance (response time) of the website by 10x times.
- Aggregated different scripts used to display / generate dynamic content

### • INFOSYS LTD

Chennai, India

#### *Software Developer at Infosys Finacle*

(Jun 2011–Nov 2013)

*Skills: Java EE*

- Underwent training in C, RDBMS, UNIX, OOP and Software Engineering along with advance training in Java technology including Core Java, JPA, POJO, JSP and JSF. (CGPA – 5/5)
- Worked on two major projects namely Gross Drawdown of Commercial Loans and Utility Bill Payment which are a part of Finacle, a product developed by Infosys that provides universal banking and financial solutions to banks.
- Developed an inquiry configuration framework for Finacle.
- Responsibilities involved: developing front-end pages, modifying the business logic and writing framework files that generated jsp and jsf codes. Maintenance of frontend and backend modules involving bug fixing, functional and user acceptance testing.

## RESEARCH AND PROJECT WORK

### • SELF-DRIVING CAR COURSE PROJECT

(Mar2016–Present)

*Skills: Python, TensorFlow*

- The curriculum covers topics including deep learning, computer vision, sensor fusion, localization, control, path planning, and automotive hardware. Main objectives of the course would be to identify lane-lines using Computer Vision and Deep Learning techniques. Used Google's TensorFlow framework for Deep Learning.

### • ARITHMETIC SERVER USING RPC

(Jan 2015–May 2015)

*Skills: C, Socket level programming*

- Implemented an Arithmetic server using RPC where user inputs arithmetic expressions, the server evaluates its expression and returns results. The communication between the client and the server was established through datagrams (UDP).

### • FACE RECOGNITION APPLICATION

(Aug 2014–Dec 2014)

*Skills: JAVA, JavaScript, HTML5, SQL*

- Played the role of an architect on the server module of a Face Recognition Project. This project aims to help instructors with taking attendance based on the photo taken in the class. Created Module structure, Uses and Process structure along with the Interface specifications for the server module.

### • TOP 10 CITED PATENTS

(Jan 2014–May 2014)

*Skills: JAVA, Hadoop MapReduce*

- Developed an application based on Hadoop MapReduce Framework. The project aims to resolve a real-world problem: "Find the top 10 cited patents from a repository of over 4 million patents".

## EDUCATION

- *Master of Science in Computer Science* (Jan 2014 – Dec 2015)  
Iowa State University, Ames, Iowa, USA **GPA: 3.59/4.00**
- *Bachelors of Technology in Computer Science* (Aug 2007 – Jun 2011)  
Andhra University, Visakhapatnam, India **GPA: 7.56/10**

## COURSEWORK

- Distributed Software Development, Design and Analysis of Algorithms, Theory of Computation, Operating systems, Advanced Topics in Database Systems, Distributed and Network Operating systems, Computer Network protocols, Information warfare, Computer Architecture.

## AWARDS AND CERTIFICATES

- Awarded the quarterly ‘Gem of The Quarter’ by ‘Infosys Limited’ for Q1FY13.
- Awarded the “On The Spot Award” by ‘Infosys Limited’ for the exception performance in the month of February 2013.