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# VIRAJ BHALALA

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## EDUCATION

**New Jersey Institute of Technology**  
BS in **Computer Science**  
Minor in **Business**  
Expected Graduation: **May 2016**  
**GPA: 3.67**  
Dean's List (all semester)

## KEY COURSES:

Software Engineering and Design,  
Database System Design and  
Management (SQL), Android,  
Networking, Python, JAVA, Data  
Structures, Computer Architecture,  
Foundation of CS, Programming  
Language Concept (C++ and JAVA),  
Principles of Operating Systems,  
Linear Algebra, Intensive  
Programming in Linux (C, Bash,  
PHP), Statistics, Economics,  
Management, Marketing, Calculus 1,  
2 and 3, and Accounting

## HONORS:

-NSF Research Experience for  
Undergraduate Scholarship (2015)

-Future Business Leader Of America  
Bloomfield Chapter  
**President** (2012-2013)

## COURSE CERTIFICATES:

-MongoDB for Developers  
(MongoDB university)

## OBJECTIVE

To obtain an intensive fulltime position (available after May 2016) in Big Data (Databases, Data Analytics, and Data Mining), Software Development, IT Architecture, or IT Management.

## SKILLS

Programming Language: Java, Python, C++, C, Bash, and Swift.

Databases: SQL, MongoDB (NoSQL), and SQLite.

Web: HTML, JavaScript, CSS, and PHP.

Platforms: Windows, Linux, and MacOS.

Others: Research, Data Structures, OOP concepts, Accounting, Finance, and IT project management.

Applications: Eclipse, XCode, Linux Terminal, Photoshop, MS Office, Alfabet (Software AG IT planning)

## WORK EXPERIENCE:

### **Software Developer Intern- Prudential Financial**

Sept 2015 – Present

- Tools and Technologies: Java, MongoDB, HTML, CSS, Javascript,

### **IT Architect and Portfolio Management Intern- Prudential Financial**

June 2015 – Aug 2015

- Completed multiple assignments focused in capability models, application evaluation, information flows between applications, application end of life determination, dependency factors, application and business evaluation, architecture alignment, and infrastructure environmental health.
- Worked with VPs and RSMs to implement more than 250 applications of the Individual Life Insurance department into the Alfabet IT Portfolio Management software.
- Took a lead in defining criteria of applications such as Data Health, Application Description, and Application evaluation. At the end, I presented at enterprise level and recommend other departments to roll out these criteria to RSMs.
- In addition, I did web development (HTML 5, JavaScript, and PHP).
- Received an opportunity to view IT broadly, horizontally, and at high level.

### **Big Data Research Assistant - NJIT**

Jan 2015 – May 2015

- Worked with professor and PhD student in research project focused on effective search and knowledge discovery in online health care forums (WebMD, MedHelp, and thePatientForum).
- Developed Java applications that are used for crawling, data mining, and text analytics.
- Became familiar with Natural Language Processing, SVMs, Data mining, and text Analytics.
- Tools & Technologies:** Java, Python, HTML, JSoup, Stanford NLP, NEC NLP, Crawler 4J.

### **Freelance Developer**

Aug 2014 – Jan 2015

- Solely developed and designed telecarellc.com, dev.thirdwitness.net, and patelmanufacturing.com

### **PC-Lab Consultant - NJIT**

Sept 2014 – Dec 2014

- Assisted Faculty/staff/Alumni by fixing any of their technical problems in classrooms and labs.

### **CS, Chemistry, Physics Tutor - NJIT**

Sept 2014 – Dec 2014

## PROJECTS:

### **Most Active Stocks** (goo.gl/4hlN63)

April 2015

- Developed in Python and Bash. Uses DOM and Tag Soup. Pulls data from WSJ.com

### **YouTube Information Extractor** (goo.gl/od2zEi)

Mar 2015

- Extracts information such as Views, Title, Author, and Duration from YouTube page.
- Developed in Bash and uses grep functions.

### **URL Checker** (goo.gl/jcOsJW)

Feb 2015

- Developed in JAVA and uses Deterministic Finite Automata (DFA)

### **Deterministic Pushdown Automata** (goo.gl/xhYVFP)

Mar 2015

- Developed in JAVA and uses stacks.

### **DFA emptiness Checker** (goo.gl/tkNw3W)

April 2015

- Developed in JAVA and uses Deterministic Finite Automata and Turing Machine

### **Recursive Descent Parser (HTML compiler)** (bit.ly/1zovwqG)

Dec 2014

- Developed in C++ to catch all syntax errors in an input HTML file (Similar to compilers).