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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:
Big Data Developer COOP- Prudential Financial   Sept 2015 – Present
- Tools and Technologies: Java, Hadoop, HDFS, and MongoDB

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 Pushdowm 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).