77 Park Ave, Apt 1205
Hoboken NJ 07030

ROHIT BHAT

(201) 912-6221
mail@rohitbhat.com

Employment

| **Technical Architect** | **Opera Solutions** | **July 2012 - Present** |

- Built a real-time processing platform on Spark, Kafka, MongoDB, Docker, Kubernetes
- Designed and lead an 8-member software team for migrating legacy ETL systems to a multi-tenant-based Hadoop system. Optimized the memory and run time of legacy systems by more than 50%.
- Created a Hadoop based Data Pipeline for ingesting, cleansing and fuzzy matching vendor data with 650MM records and 1700 attributes.
- Created the backend of an AI powered analytics dashboard, for dynamic querying in natural language and surfacing anomalies, using Spring MVC, Solr, and REST APIs.
- Designed and implemented a rapid batch search using Apache Solr, python and an ensemble of fuzzy matching algorithms. The average search time on over 100MM vendors with advanced name and address search parameters was less than 1s with more than 90% accuracy. This was 400% faster and 20% more accurate than the previous implementation.
- Implemented a Business Process Management Workflow for a top US financial client by customizing BonitaSoft Open Source Software with Spring MVC and JQuery.

| **Intern** | **NVIDIA Graphics** | **Jan – June 2012** |

- Optimized the Full Chip Verification Framework by 20%, making changes to C and Perl programs
- Made improvements to the Programmable Logical Interfaces in Verilog
- Migrated SOAP to Rest APIs for some of the internal testing frameworks

| **Intern** | **Dots Animated** | **Summer 2011** |

- Implemented a vehicular GPS tracker and dashboard for bus fleets.
- Used Google Maps API, JSON libraries and Spring MVC to implement real time tracking & sending SMS texts.

Education

| **India** | **BITS Pilani** | **Aug 2008 – June 2012** |

- B.E. (Hons) in Computer Science, June 2012. CGPA: 8.24
- Coursework: Data Structures; Operating Systems; Databases; Algorithms; Programming Languages; Computer Architecture; Advanced Algorithms; Machine Learning.

Technical Experience

- **Spam Deobfuscation** (2010): Created a spam filter based on Hidden Markov Model that deobfuscates misspelled spam words with alphanumeric characters. C
- **Video Conferencing** (2011): Implemented an Android application for multi-way video conferencing, collaborative whiteboard and instant messaging. Java, SQL, XML, Android SDK
- **Optimal Trust Path Selection Algorithms** (2012): Comparative analysis of various trust path selection algorithms between two nodes of a graph and optimized it for a network like Twitter.
- **Swarm Intelligence in Data Mining** (2012): Comparative analysis of Ant Colony based Classification and Clustering Algorithms and their uses in Data Mining.

Additional Experience and Awards

- 1st Prize, Technical Festival (2011): Android controlled Robotic Car
- 2nd Prize, Technical Business Plan Competition (2010): Wifi Enabled Printer network for universities
- Published Bonita Open Solution 5.X Essentials, Packt Publishing (2013)

Languages and Technologies

- C; Java; Python; NodeJS; Shell; SQL; JavaScript; HTML; CSS; jQuery; Perl
- Hadoop; Kafka; Docker; Kubernetes; Zeppelin/Jupyter; MATLAB; WEKA; Open CV; BonitaSoft