NIRUPAMA SHARMA

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Available: May-August 2018

PROFESSIONAL SUMMARY

Dynamic Software Engineer with an aptitude for innovation, problem-solving, and a passion for learning new technologies. Having 5 years of experience in Web Development. Proven track record of designing and implementing flexible solutions which include frequent UI and backend changes. Strengths include:

- **Agile/Scrum Methodology**
- **Object-Oriented Programming**
- **Program Logic & Optimization**

- **Service Oriented Architecture**
- **Unit Testing and Debugging**
- **Web Development**

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science   September 2017-Present

Candidate for a Master of Science in Computer Science, GPA: 3.33   Expected Graduation: December 2019

Courses: Programming Design Paradigm, Robotic Science and Systems, Algorithms, Managing Software Development

Rajasthan Technical University -Engineering College, Ajmer, India   June 2012

Bachelor of Technology (Honors) in Computer Science & Engineering, GPA: 3.67

TECHNICAL SKILLS

Languages:	Java, Python, C#, SQL, C++
Web Technologies:	React JS, Redux JS, Express JS, Node JS, Rest Web Services, SOAP Web Services, Hibernate, Spring MVC, Spring Boot, JSF, Ajax, JSON, HTML5, CSS3
Software:	IntelliJ, Spring Tool Suite, SQL Developer, Matlab, SVN, Apache Tomcat, Git, JIRA, Jenkins, SonarQube
Database:	Oracle 12g (SQL, PL/SQL), MongoDB
Operating Systems:	Windows 7/8/10, Ubuntu, Mac OSX

WORK EXPERIENCE

New York Life, New York City   June 2018 -Present

Software Engineer Co-op/Intern

Technical Scope: React JS, Redux JS, Express JS, Java, Spring MVC, Hibernate, MongoDB

- Developing a web application to automate changes to nylinsure.com domain websites like https://ama.nylinsure.com. The application implements three levels of authentication from business users to developers before the changes goes live.

TIAA (formerly TIAA-CREF), Mumbai   October 2016 -June 2017

Analyst, Software Developer

Technical Scope: Java, Spring MVC, Hibernate, Mockito, Python, TensorFlow, Oracle Coherence, AngularJS, SQL

- Developed file hub web application using Spring framework which validates insurance files of customers and handles various money related transactions.
- Developed bots to automate file verification using Python, and TensorFlow.
- Spearheaded development of a carpooling system for TIAA, Mumbai employees using Spring Boot and MongoDB.

TATA Consultancy Services, Pune   March 2013 -September 2016

Systems Engineer

Technical Scope: JSF, Java, Spring MVC, Hibernate, JUnit, EDW, JMS, Web Services(Restful)

- Developed a tool to generate Insurance Agents' Course Compliance reports.
- Developed **SMS (Short Message Service) notification system** for 4G data plan recharge benefit scheme for Vodafone using JMS Publisher/Subscriber Model.
- Designed and developed Customer Acquisition System UI and backend for **Vodafone RED family plan** in India.
- Designed and developed a cost-effective server for **SIM (Subscriber Identity Module)** activation, which replaced IBM WebSphere Process Server in the existing application.

PROJECTS

Design & Share web application   June 2018-Present

Developed a web application for sharing home and landscape design images and DIY ideas using MongoDB, React JS and Redux JS. (https://designandshare.herokuapp.com)

Plagiarism Detection using Abstract Syntax Tree Algorithms   January 2018-April 2018

Implemented Abstract Syntax Tree algorithms using Antlr Python Grammar to detect plagiarism in student assignment submissions using Git repository.

Robotics Motion Planning November 2017-December 2017

Used Peter Corke's Matlab robotics toolbox to implement **PRM (Probabilistic Roadmap)** and **RRT (Rapidly-exploring Random tree)** algorithms for Puma 560 with six link robot arm in multi obstacle configuration space and performed statistical analysis of runtime performance of PRM and RRT.

INTERESTS

Badminton, Dramatics, Zumba