Piyush Gupta

Software Engineer at Microsoft

Summary

Completed Master of Science in Computer Science (Data Science) at USC in December 2016. I have around 2.5 year of professional work experience in Software Development and currently working at Microsoft.

SKILLS:

Programming System: Java, Python, C#, C++, C, Ruby on Rails, Hadoop, Impala, Spark

Web Development: JavaScript, and jQuery, JSON, XML, Ajax, CSS and Bootstrap, HTML, MVC

Operating System- Windows, Linux, MAC OS, RHEL

Databases – Couch-base (NOSQL), Oracle 11g, MySQL and SQL Server

Tools - Eclipse, NetBeans, Visual Studio, Team Foundation Server, SharePoint, SVN, PyCharm,
   MATLAB, Keil, GIT, SQL Developer, TOAD, Opquast, Active Batch, Maven, Jenkins

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Experience

Software Engineer at Microsoft

January 2017 - Present

Teaching Assistant at USC Viterbi School of Engineering

August 2016 - December 2016 (5 months)

- Teaching Assistant for JAVA programming
- Working with students to help them in their course work challenge and responsible for exam & assignment grading.

Course Producer/Grader (Graduate Courses) at USC Viterbi School of Engineering

August 2015 - December 2016 (1 year 5 months)

- Course producer and grader for following two graduate level and one undergraduate course
   - o CSCI 561 Artificial Intelligence (Professor Laurent Itti)
   - o CSCI 572 Information Retrieval and Web Search Engines (Professor Ellis Horowitz)
   - o CSCI 109 Introduction to Computing (Professor Paul Rosenbloom)
- Grading and solving queries of more than 500 graduate students via Piazza/Blackboard (online query platform) and holding office hours.

Software Development Engineer Intern (Risk Application Development) at Visa

May 2016 - August 2016 (4 months)

- Working with a Fraud Detection and Risk Management team to mitigate the fault which occur in transactions and Payment Processing
- Achieve higher speed than the legacy rule engine by implementing multi-thread solution and MySQL indexing.
- Technologies includes RHEL(Red Hat Enterprise Linux) ,JAVA, Couch-base (NOSQL), MySQL

Software Development Engineer at Sopra Group India
June 2013 - July 2015 (2 years 2 months)

- Designed and developed windows and responsive web applications for different telecom and finance based clients in France.
- Developed solution using 3-tier architecture that is GUI, Service (RESTful Services) and Database and followed Agile Methodology.
- Implemented various software design patterns , like Observer, Singleton, Factory, Façade, Dependency Injection
- Designed and implemented a solution where in Physical Challenged could access the specific web application, keeping in mind compatibility with different OS like Android and IOS.
- Responsible for designing, developing and testing the solution before deploying it to client environment.
- Mentored fresh hires to solve their technical queries and assist them in their work.
- Worked both on front end and back end technologies like JAVA , C#, SQL, MVC, jQuery , JavaScript , Bootstrap, HTML, Ajax

Research Intern at Ministry of Defence of India
June 2012 - July 2012 (2 months)

- Implemented an algorithm and Graphic User Interface on MATLAB for the processing of Digital Images.
- Real time images were acquired and different enhancements techniques were applied on it

LINUX and Embedded System Internship at Bharati Vidyapeeth / Bharati Vidyapeeth Deemed University
June 2011 - July 2011 (2 months)

Project to implement parallel and serial programmer - used to program microcontrollers, using embedded C and assembly language.

Education
University of Southern California
Master of Science (MS), Computer Science, 2015 - 2016
Activities and Societies: An active member of Association of Indian Students at USC, Association of Computing Machinery
Guru Gobind Singh Indraprastha University
Bharati Vidyapeeth's College of Engineering, Bachelor of Technology (B.Tech.), 2009 - 2013

Activities and Societies: ISTE Member, Electronics quotient, Mad-Ad at TCS Talent Fest 2012, Rangoli event at The Cultural Extravaganza Xtasy'10 and Xtasy'12, Technical Quest

Remal Public Sr Sec School

Senior Secondary, C++,Physics,Chemisty,Mathemathics,English

Activities and Societies: Member of Yoga group, Won several awards in Painting and drawing Competitions, Scholar and Prefect batch holder of School, Won several awards in Maths Olympiad, Bourn vita Quiz Contest

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Honors and Awards

Technical League on Programming and Algorithm-Finalist, Techical Olympiad on Algorithm- Finalist, Runner Up's in Electronics Quotient, Gold Medalist in Math's Olympiad, 1st Prize in Math's Olympiad, Central Board of Secondary Education(CBSE) Scholarship, 1st Prize in Rangoli Making Competition, BVCOE Cultural Fest , 2012, 1st Prize in Rangoli Making Competition, BVCOE Cultural Fest , 2011

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Contact Piyush on LinkedIn