

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

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,Chemistry,Mathematics,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

Honors and Awards

Technical League on Programming and Algorithm-Finalist, Technical 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](#)