

Pratham Tandon

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(206)327-3566 | Available: Jan - Aug, 2016

EDUCATION

Northeastern University, Seattle, WA

College of Computer and Education Science, GPA: 3.5/4.0

Candidate for Master of Science in Computer Science

Related courses: Programming Design Paradigm,
Algorithms, Computer Systems, Machine Learning.

Manipal Institute of Technology, Karnataka, India

Bachelor of Engineering in Computer Science, CGPA: 3.8/4.0

Related courses: Computer Networks, Operating Systems,
Object Oriented Programming, Analysis of Algorithms.

Jan, 2015-present
Expected graduation: Dec, 2016

May, 2011

TECHNICAL SKILLS

Languages:

C/C++, C#, Java, JavaScript, Scheme (DrRacket), Python

Systems:

Windows XP/7/8/8.1, Linux

IDEs:

Microsoft Visual Studio, NetBeans, BlueJ, Eclipse, Geany

Databases:

MS SQL Server, MySQL

Web Technologies:

ASP.NET, HTML5, Silverlight, ReactJS, Webpack, Gulp

PROFESSIONAL EXPERIENCE

TUNE, Seattle

June, 2015 – Sep, 2015

Software Development Engineer Intern

- Worked with Mobile App Tracking team at TUNE to build two internal tools from scratch.
- Utilized ReactJS as the UI library with Flux architecture for application logic.
- Utilized modern build and deployment tools such as Gulp, Webpack and Docker. ECMAScript 2015 (ES6) was used as the full-stack development language with Babel ES6 transpiler.

Microsoft India Pvt. Ltd., Hyderabad, India

Aug, 2011 – Dec, 2014

Software Development Engineer

- Logged 110 major and minor security bugs in Windows Azure Media Services.
- Developed the front-end of tool used to calculate payroll for 120,000 employees of Microsoft worldwide.
- Published 2 technical papers, both of which got an overall rating of 3/5 by the review committee.

RSA, Security Division of EMC², Bangalore, India

Jan, 2011 – May, 2011

Developer Intern

- Re-authored server API's to expose them as a web service over SOAP/HTTPS
- Suggested improvements in existing services that increased performance of service by 21%

PROJECTS

TUNE, Seattle, WA

July, 2015

Full stack Developer

- Worked on a suite of troubleshooting tools for Support team at to resolve customer tickets more efficiently.
- Created tool back-end to run multiple simultaneous queries on MySQL data stores.
- Created tool front-end to display tabular data along with immersive visualizations using ReactJS and HighCharts.
- Created tool build and deployment system using Webpack, Gulp and Docker.

HR/Payroll Department, Microsoft IT, Hyderabad, India

July, 2013

Front-end Developer

- Designed and coded the front-end of a system used to allocate benefits and give promotions to employees by managers.
- Design was able to handle data for up to 120,000 employees without any compromise on user experience.
- Reduced the loading time for large organizations in the new tool to ~8 sec from ~13 minutes in existing tool.

Windows Azure Media Services, Microsoft Corporation, Redmond, WA

May, 2012

Security Software Developer

- Worked as a security developer responsible for threat modeling and API fuzzing in Media Services team.
- Logged 110 major/minor security bugs in different modules.

ACHIEVEMENTS

- Awarded Key Talent award at Microsoft for 2 consecutive years.
- Stood 80 amongst 646 participants at Hacker Rank CodeSpring 2015.
- Wrote a paper that discusses the possibility of using Xbox Kinect for creating virtual avatars for people with disabilities.