

# Apurva Pathak

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## SUMMARY

More than 2 years' experience as a software engineer. Proficient in problem-solving, have excellent programming skills in C++, Python, C# and Java, and a strong background in Data Science.

## EDUCATION

### UNIVERSITY OF CALIFORNIA, SAN DIEGO | MS IN CSE

Expected March 2017 | La Jolla, CA

### NATIONAL INSTITUTE OF TECHNOLOGY | BTech (Hons.) in CSE

April 2013 | Rourkela, India | Cum. GPA: 9.50 / 10.00

## EXPERIENCE

### MICROSOFT CORPORATION | SOFTWARE ENGINEER

July 2013 – July 2015 | Hyderabad, India

- Developed code merge capability between different branches of Windows' code using C# and MVC ASP.NET for Windows SE build and release automation tool.
- Worked at back-end and front-end using C#.NET, HTML, CSS, JavaScript and SQL in February Quarterly Release (FQR) 2015 of Enterprise Commerce Volume Licensing IT.
- Developed a networking platform, GMC, that connects similar users to each other over Lync.

### MICROSOFT CORPORATION | SOFTWARE ENGINEERING INTERN

May 2012 – July 2012 | Hyderabad, India

- Planned, designed and developed an automated service hosting tool using C# for back-end and HTML, CSS, JavaScript and ASP.NET for front-end at Enterprise Commerce IT.

### FIRST RUNNERS-UP, ACM DATA CHALLENGE | TRAFFIC DASHBOARD

March 2015 | Conference on Data Sciences 2015, IKDD, ACM

- Crawled road traffic data from social network like FB and Twitter, extracted relevant insights and made predictions using ML and displayed it in a web dashboard in real-time.

### WINDOWS STORE APP | TIC TAC TOE

- Developed using Artificial Intelligence. Rated 4.6/5 with over 10000 downloads.

### BTech THESIS PROJECT | IRIS RECOGNITION

July 2012 – April 2013 | NIT Rourkela, India

- Developed an algorithm, S-SIFT, for iris feature extraction and matching having better matching accuracy than the existing state-of-the-art algorithms: SIFT, F-SIFT and SURF.

## SKILLS

- C, C++, Python, Java, C#.Net, R, JavaScript, HTML, CSS, SQL, Matlab \Octave
- Machine Learning, Data Science

## AWARDS

- Microsoft IT Excellence Award in Q2 FY14 at Microsoft
- 2<sup>nd</sup> prize in **Data Challenge** at Conference on Data Sciences 2015, IKDD, ACM
- 2<sup>nd</sup> prize in Nexus 2012, an **International Robotics Competition**

## PUBLICATIONS

- Pathak, Apurva, et al. **A City Traffic Dashboard based on Social Network Data**. CoDS '15, ACM
- Pathak, Apurva, Patra, Bidyut Kr. **A knowledge reuse framework for improving novelty and diversity in recommendations**. CoDS '15, IKDD, ACM

## EXTRA

- Teaching Assistant for Computational Social Science at UC San Diego [2015-Present]
- President of MACH Education Committee at Microsoft India [2014-15]
- Volunteer in National Social Services at NIT Rourkela [2009-10]

## LINKS

LinkedIn:// [in/pathakapurva](#)  
Github:// [technoapurva](#)