

# Apurva Pathak

40146, 9450 Gilman Drive, La Jolla, CA 92092-0100

<http://apurvathak.me>  
[apathak@ucsd.edu](mailto:apathak@ucsd.edu) | 858.261.8023

## 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

## COURSEWORK

Probabilistic Reason & Learning, Data Mining & Analytics, Algorithms Design, Operating Systems

## EXPERIENCE

### MICROSOFT CORPORATION | SOFTWARE ENGINEER

July 2013 – July 2015 | Hyderabad, India

- Awarded with IT Excellence Award in Q2 FY14.
- Developed code merge capability between different branches of Windows' code using C# and 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.

### 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.

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

March 2015 | Data Challenge, CoDS 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.

### IRIS RECOGNITION | BTech THESIS PROJECT

July 2012 – April 2013 | NIT Rourkela, India

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

## SKILLS

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

## AWARDS

- 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**, 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](https://in.linkedin.com/in/pathakapurva)  
Github:// [technoapurva](https://github.com/technoapurva)