

# Apurva Pathak

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## SUMMARY

More than 2 years' experience as a software engineer. Proficient in problem-solving, design, implementation and strong background in data science.

## EDUCATION

### UC SAN DIEGO

#### MS IN CSE

Expected 2017 | La Jolla, CA  
 Cum. GPA: N/A

### NIT ROURKELA

#### BTECH (HONS.) IN CSE

April 2013 | Rourkela, India

Awarded with certificate of merit continuously for 3 years for my academic performance.

Cum. GPA: 9.50 / 10.00

## LINKS

Github:// [technoapurva](#)

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

## COURSEWORK

### GRADUATE (IN PROGRESS)

Probabilistic Reason & Learning •  
 Data Mining & Analytics

### UNDERGRADUATE

Algorithms & Data Structures •  
 Operating Systems • Artificial  
 Intelligence • Data Mining •  
 Database Systems

## SKILLS

### ENGINEERING

Coding • Machine Learning • Data  
 Science

### PROGRAMMING

Proficient:

C \ C++ • C# .Net • Python •  
 Matlab \ Octave • Java • R •

JavaScript • HTML \ CSS

Familiar:

SQL • Assembly •  $\text{\LaTeX}$

### TOOLS & UTILITIES

Visual Studio • Eclipse • Weka •  
 Arduino

## EXPERIENCE

### MICROSOFT CORPORATION | SOFTWARE ENGINEER

July 2013 – July 2015 | Hyderabad, India

- Awarded with IT Excellence Award in 2014.
- 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 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 for Enterprise Commerce Volume Licensing IT.

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

March 2015 | Data Challenge, CoDS 2015, IKDD, ACM

- Crawled road traffic data from social network, 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

- Designed an algorithm, S-SIFT, for iris feature extraction and proved its superiority over existing algorithms.

## PUBLICATIONS

- **Pathak, Apurva**, et al. A City Traffic Dashboard based on Social Network Data. 2015. | Conference on Data Sciences 2015, IKDD, ACM
- **Pathak, Apurva**, Bidyut Kr. A knowledge reuse framework for improving novelty and diversity in recommendations. 2015. | Conference on Data Sciences 2015, IKDD, ACM

## AWARDS

2015	2 <sup>nd</sup>	Data Challenge in Conference on Data Sciences, IKDD, ACM
2011	2 <sup>nd</sup>	Nexus 2011, an International Robotics Competition
2010	2 <sup>nd</sup>	Overnite Coding Competition in the Tech Fest, NIT Rourkela
2010	2 <sup>nd</sup>	Encash Your Code (coding competition) at NIT Rourkela

## EXTRA

2014-15	President	MACH Education Committee at Microsoft India
2014-15	Member	MSIT Data & Analytics Committee at Microsoft India
2011-13	Vice President	Createur club at NIT Rourkela
2009-13	Member	Cyborg club at NIT Rourkela
2009-10	Volunteer	National Social Services at NIT Rourkela