

# Sharvil Katariya

<http://scorpionhiccup.github.io>  
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## EDUCATION

### INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

#### B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Expected May 2017 | Hyderabad, India  
Cum. GPA: 7.85

### DELHI PRIVATE SCHOOL (DPS)

Grad. May 2013 | Dubai, UAE  
Grade 10 (CBSE Board): 10 CGPA Grade 12 (CBSE Board): 89

## COURSEWORK

### UNDERGRADUATE

Cloud Computing  
Information Retrieval & Extraction  
Compilers  
Operating Systems  
Artificial Intelligence  
Machine Learning  
Advanced Computer Networks  
Computer Graphics  
Internet of Things  
Complexity and Advanced Algorithms  
Statistical Methods in AI  
Structured systems analysis and design method (SSAD)

## SKILLS

### PROGRAMMING

Most Familiar

GNU C++ • Python • C • Shell •  
JavaScript •  $\text{\LaTeX}$  • PHP •  
OpenGL • WebGL •

Familiar:

Java • CSS • Assembly •  
Android • MySQL • Matlab •

Embedded Systems

Arduino • Raspberry Pi • Intel Galileo •

Misc.

RabbitMQ • Redis • Git •  
OpenGL • WebGL •

## LINKS

Github:// [scorpionhiccup](#)  
LinkedIn:// [sharvilkatariya](#)  
Bitbucket:// [sharvilkatariya](#)  
YouTube:// [Sharvil Katariya](#)

## EXPERIENCE

### VMWARE | CLOUD COMPUTING + SOFTWARE ENGINEERING INTERN

May 2016 – Jun 2016 | Bangalore, India

- Chosen to work on Borathon(Annual Hackathon) winning project
- Worked on building a proximity based, cross-platform Smart TV solution
- Architected an cloud-based solution as an extension to project's idea.

### CONNAIZEN | MOBILE DEVELOPER INTERN

June 2015 – Aug 2015 | Hyderabad, India

- Creation of Net-banking based Android Application, along with customization to user's location and interest, with the help of Machine Learning.
- Realization of User Experience Design along with integration with the APIs of Google+, Google Maps, Facebook, etc.

### IMAGINATE SOFTWARE LABS | SOFTWARE DEVELOPER INTERN

Dec 2014 – Feb 2015 | Hyderabad, India

- Build SAAS based web application for finding and booking appointments with doctors, along with video consultation.
- Worked on asynchronous processing of tasks, with the help of celery, along with the development of an secure payment flow.
- Incharge of Project Deployment on Apache Infrastructure, based on Django Framework, with the help of gunicorn and nginx.

## PROJECTS

### SEMANTIC ANNOTATION | UNDER DR. VASUDEV VERMA

- The goal was to annotate the ACM research paper with an Wikipedia article that matches its contents most closely.

### COMPILER FOR DECAF LANGUAGE | UNDER DR. SURESH PURINI

- Compilers project to make a visitor design pattern based compiler for the Decaf programming language using the tools Flex, Bison and LLVM.

### STOCK TREND FORECASTING | UNDER DR. S. BAPI RAJU

- Application of Machine Learning Techniques to predict stock price.

### WIKIPEDIA SEARCH ENGINE | UNDER DR. VASUDEV VERMA

- Retrieve Wikipedia pages related to the query and order them according to relevance, along with the help of a 2-Tier Index

### CONNECTED CARS IoT APPLICATION

- Implemented Zigbee Protocol of Communication between cars using embedded system devices
- Development of Android Application to interface with our device and usage of cloud services, minimizing the need for every device to be connected to Internet.

## AWARDS

2015	Top 10 Finalist	Gitex Student Lab, Dubai
2015	1st	IoT Hackathon, Dubai
2015	12th/100	CS 371 Ultimate TicTacToe Intra-Class Bot Tournament
2015	1st	Game on, Felicity 2015