

## Education

### **B. Tech. in Computer Science & M.S. by Research in Computational Linguistics (2013 - 2018)**

CGPA 8.13/10: Fifth year, International Institute of Information Technology (IIIT), Hyderabad.

## Work Experience

### **Google Summer of Code Software Developer Rocket.Chat (June, 2017 - August, 2017)**

Implemented end-to-end encryption for direct one-to-one and group messaging, and file sharing for the chat platform, based on the Signal protocol.

### **Summer Student**

#### **CERN, Switzerland (June, 2016 - August, 2016)**

Worked with Computer Security team and developed a remote logins monitoring system ([link](#)) for intrusion detection on the CERN network, which manages 16000 devices at any time.

### **Research Assistant & Web Administrator**

#### **IIIT-Hyderabad (Jan, 2015 - present)**

Developed web based interface for Indian Language Machine Translation system, that makes human translators' jobs faster and more accurate.

### **Teaching Assistant**

#### **IIIT-Hyderabad (Aug, 2015 - present)**

Instructed tutorials and labs, graded assignments and exams for courses: IT Workshop-I, Computer Networks, Systems and Network Security

## Achievements

### **Winner - AngelHack Hackcelerator 2017**

Co-founded a startup, developing a Machine Learning based chat platform for code-mixed messaging ([link](#)), and made a business pitch to investors and VCs at AngelHack Global Demo Day 2017 in San Francisco.

### **Winner - The Appening, Google (2016)**

Developed an AI based scheduling app for Android that won Google's hack-a-thon.

### **Dean's Merit List, IIIT-Hyderabad (2013 - 2015)**

Awarded to the top 5% students in class.

### **Macmillan IAIS, University of New South Wales, Australia (2005-2011)**

Six times Gold medallist with High Distinction in Computer skills & English.

## Projects

### **ProxiPY: HTTP proxy server (Nov, 2016)**

#### **Python, HTML5**

Transport layer server for proxying HTTP requests with support for concurrent sessions, LRU based resource caching, external proxies, with real time logging and statistics in a web interface.

### **Secure File Transfer protocol (Feb, 2015)**

#### **C++, HTML5**

File Transfer protocol implementation with RSA based encryption, chat functionality and a web interface.

### **Eve - AI assistant (May, 2014 - June, 2015)**

#### **NodeJS, HTML5**

A platform independent AI assistant that responds to text and voice, integrated with Wit.AI, AccuWeather and other third-party services.

### **Wikipedia search engine (Feb, 2016)**

#### **Javascript, Python**

A search engine for a large corpus of Wikipedia pages and a web based search engine as interface.

### **Automatic Essay Grader (Aug, 2015 - Nov, 2015)**

#### **Python**

Automates essay grading using a regression model to predict scores with various classification algorithms.

## Miscellaneous

### **Open Source Software contributor, Mozilla**

Worked on Firefox Devtools and Instantbird projects

### **Technical reviewer for a book in production**

PhoneGap Mobile App Development by Zainul Setyo Pamungkas ([link](#))

### **Co-ordinator at Open Source Developers Group (OSDG), IIIT-H**

## Technical Skills

### **Programming & Scripting**

C, C++, Python, Javascript, HTML5, Java, *Swift, PHP*

### **Web frameworks & IDEs**

Web2py, Django, NodeJS, Eclipse, Xcode

### **Others**

MySQL, Git, *Oracle, Mercurial, OpenGL*