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Education

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

Fifth year, International Institute of Information Technology (IIIT), Hyderabad

Work Experience

Student Software Developer, Google Summer of Code (May, 2017 - present)

Implementing end-to-end encryption for chat conversations in Rocket.Chat

Summer Student, CERN, Switzerland (June, 2016 - August, 2016)

Developed a remote logins monitoring system for intrusion detection on the CERN network

Research Assistant & Web administrator, IIIT-Hyderabad (Jan, 2015 - June, 2016)

Created and maintained several websites and online tools and services for the lab

Teaching Assistant, IIIT-Hyderabad (Aug, 2015 - April, 2016)

For courses: IT Workshop-I, Computer Networks, Systems and Network Security

Web development Intern, Terribly Tiny Tales & others (Dec, 2014 - Aug, 2015)

Full-stack development and ops at various startup companies

Achievements

Winner - AngelHack Hyderabad 2017 - Developed an iOS app that will be mentored by AngelHack Hackcelerator program for presentation at Silicon Valley

Dean's Merit List, IIIT-Hyderabad - Among top 4 in class; 2013-2015

The Appening, Google - Among the top 6 selected teams at Google's hack-a-thon in 2016

Macmillan IAIS, University of New South Wales, Australia - Six times Gold medallist with High Distinction in Computer skills & English; 2005-2011

Major projects

ProxiPY: HTTP proxy server (Nov, 2016) - Python, HTML5

A proxy server with support for concurrent requests, time based caching and real time statistics.

Genesis - Chrome browser extension (June, 2017) - Javascript

An extension that lets you observe the design decisions made while a website was created.

Eve - AI assistant (May, 2014 - June, 2015) - NodeJS, HTML5

A platform independent, artificial intelligence enabled assistant that responds to text and voice.

Translator's Desk (Aug, 2015 - present) - HTML5, Python, socket.io

An online interface to assist translators of various Indian Languages using machine translation.

Secure File Transfer protocol (Feb, 2015) - C++, HTML5

A File Transfer protocol integrated with RSA, chat functionality and a web based interface.

Other work

Open Source Software contributor, Mozilla & Rocket.Chat - Javascript, Python

[:mdhr] Worked on Firefox Devtools and Instantbird at Mozilla and Encrypted chat at Rocket.Chat

Technical reviewer for a book in production: PhoneGap Mobile App Development

In-charge of design for college magazine, Ping! - PHP, Wordpress CMS, HTML5

Designed the website, migrated the paper magazine to a digital format

Administrator at Open Source Developers Group (OSDG), IIIT-H

Designed <http://osdg.iiit.ac.in>, promote FOSS at college level

Wrote a simple kernel, bootloader and a calculator app for it - C, Assembly x86

Technical Skills

(Advanced, Intermediate)

Programming & Scripting

HTML, Python, Javascript, Swift, PHP, C, C++, Bash, Java, Assembly (Intel x86 and ARM)

Web frameworks & IDEs

web2py, Django, Slim PHP, Phonegap, NodeJS, Eclipse, Xcode, Visual Studio

Others

CSS3, Apache, MySQL, Git, Mercurial, OpenGL