

Devansh Manu

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EDUCATION

2015 - 2020 B.Tech in COMPUTER SCIENCE and
MS by Research in EXACT HUMANITIES,
International Institute Of Information Technology, Hyderabad,India

WORK EXPERIENCE

June-July 2017 | **Data Analytics Intern** at LUMATA DIGITAL Noida, India
Twitter Sentiment Analysis
Designed and implemented the sentiment analysis to use n-grams which led to over 80% accurate sentiment detection of text and emoticons on search text based on hashtag or username.

August-December 2016 | **Software Development Intern** at AUTHBASE, Hyderabad
Worked on designing and developing the Frontend for a Vulnerability Search engine and an Admin Dashboard for Authbase, a NASSCOM 10K Startup.

August 2017-May 2018 | **Teaching Assistant** at IIIT HYDERABAD
IT Workshop - 1, IT Workshop - 2
Teaching 1st year undergraduate students (Shell basics, web development, introduction to networking and application security, Web frameworks, Scripting)

PROJECTS

APRIL 2018 **2017 Gujarat Elections in the Public Space**
Analyzing Discourses on Twitter and Print Media, RESEARCH PROJECT
Under: Dr. Radhika Krishnan
Analyzing the discussions on print media and Twitter to find out the differences and similarities between the issues discussed on each one of them, during the course of Gujarat Elections 2017

AUGUST 2017 **Improving Parsing Using Distributional Semantics**, NATURAL LANGUAGE PROCESSING
Improved capabilities of a traditional CYK Parser so that it could handle unknown words using distributional semantics to create a word embedding. Given sentence would be tagged with cluster centres before running CYK algorithm so that unknown words can also get parsed into a parsed tree.

AUGUST 2017 **Mini Shell**, OPERATING SYSTEMS
Developed a mini shell which would support all basic linux commands such as ls,cd,mkdir etc.
The shell also supported background processes, signal handling along with avoiding Zombie Processes.

AUGUST 2017 **Mini SQL Engine**, DATABASES SYSTEMS
Developed a Mini SQL Engine in Python which was able to parse queries and perform basic SQL operations such as SELECT, FROM, WHERE along with aggregate and JOINS

APRIL 2017 **Automatic File Syncing System**, COMPUTER NETWORKS
Developed a system which would keep two directories in sync with each other by keeping track of file creation, updation and deletion in any of them.

APRIL 2017 **Proxy Server**, COMPUTER NETWORKS
Developed a python based HTTP-Proxy Server capable of handling requests between multiple clients and servers

JAN 2017 [Ultimate 4X4 Tic Tac Toe Bot](#) , ARTIFICIAL INTELLIGENCE
Developed an Ultimate 4By4 TIC TAC TOE BOT using minimax search and alpha beta pruning technique.
Also a heuristic was developed based on various board positions

MARCH 2017 [Bloxorz 3D Game](#) , COMPUTER GRAPHICS
Developed my version of 3D game BLOXORZ using OpenGL(C++).
The game supported various features of the original game such as breakable tiles,holes and bridges.

OPEN SOURCE CONTRIBUTIONS

NOVEMBER 2016 **Linux Team Member** at FOSSASIA,
SUSPER Search Engine
Worked on developing Front End for Susper Search Engine using HTML,CSS,JavaScript

TECHNICAL SKILLS

Intermediate Knowledge: PYTHON, C, MySQL, R, Linux, HTML, CSS, Javascript, MVC
Basic Knowledge: WEB2PY, LUCENE, BASEX, OPENGL3
Misc: Git, OOPs, SDLC

COURSES

DATA STRUCTURES AND ALGORITHMS	HUMAN COMPUTER INTERACTION
COMPUTER NETWORKS	STRUCTURED SYSTEMS ANALYSIS AND DESIGN
ARTIFICIAL INTELLIGENCE	OPERATING SYSTEMS
DIGITAL LOGIC AND PROCESSORS	NATURAL LANGUAGE PROCESSING
DATABASES	DATABASE SYSTEMS
COMPUTER GRAPHICS	PRINCIPLES OF INFORMATION SECURITY

ACHIEVEMENTS

October 2015 | **Pratibha Scholarship**, Aditya Birla Group

February 2015, 2013 | **Student of the Year**, G.G. International School Pune

November 2014 | **South Asian Finalist**, Horlicks Wizkids

June 2013 | **Kaladeep Scholarship**, G.G. International School Pune

June 2013 | **Star Correspondent**, NIE Times of India

CO-CURRICULAR

2018	Student Placement Coordinator	IIIT-H
2017	Academic Help Cell Coordinator	IIIT-H
2017	Apex Member	IIIT-H
2016	Core Team	Felicity, IIIT
2016	Cultural Representative	IIIT-H
2016	Constitution Drafting Committee	IIIT-H
2015	Talent Scout	25Under25, Campus Diaries
2012	Star Correspondent	NIE, Times of India

SOCIAL CAUSE

NOVEMBER 2014 **Founder, Vaatsalya**, A drive against Child Sexual Abuse