



## DEEP DILIP VYAS

Course : B.E. (Hons.), Computer Science

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CGPA : 9.61



### ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
XII	Science	Gaurav High School and Junior College	Maharashtra State Board for Higher Secondary Education	92.5	2014
X	General	DAV Public School	CBSE	95	2012

### ELECTIVES/TECHNICAL PROFICIENCY

<b>Electives</b>	Image Processing, Pattern Recognition, Machine Learning, Data Mining, Parallel Computing
<b>Technical Proficiency</b>	C, C++, Python, JavaScript, Node.js, CodeIgniter, SQL Databases, Git, TensorFlow, Keras, Matlab, Verilog

### SUMMER INTERNSHIP/WORK EXPERIENCE

#### Samsung R&D Institute-Bangalore Jun 2017 - Jul 2017

Worked as a part of Samsung Web Services Team under the guidance of an Senior Principle Engineer.

- Was involved in developing a sub-module for a web service.
- The service form the back-end of an application for Samsung Devices.
- It involved exploring and developing a statistical model for ranking objects to improve user experience.
- The above module was developed as a Node.js instance.

#### Homi Bhabha Center for Science and Education-TIFR May 2016 - Jul 2016

Worked under the guidance of Prof.G Nagarjuna, Chair of Free Software Foundation of India. As a part of the experience

- Developed and interactive dashboard for Data Analytics of MetaStudio, a GNU project subsidiary.
- The feature involved developing a visualization dashboard.
- The main objective was to provide the admin a sublime analytics of data being collected from schools across 4 states.

#### Legistify Inc. Feb 2015 - Dec 2015

- Legistify is the nations first online legal document maker, a startup by BITS alumni.
- Was involved in development of automated document making platform, which is the first of its kind in the country.
- Also developed a Q&A forum as a part of Legal Research Section of the platform

#### Microsoft India Development Center-Hyderabad Jan 2018 - Till Present

- Working in Microsoft Kaizala- a app for large group communications and work management.
- Involved in a team developing Custom Action modules for Kaizala. It involves developing support for client-side WebApps which use HTML and JS.
- The task includes developing native modules in Android to access and carry out certain platform specific actions.
- It also involves development and maintenance of some WebApps which are being shipped as built-in with the App.

### PROJECTS

#### Extractive Text Summarization Jan 2017 - May 2017

Worked as a **Research Assistant** under the guidance of Dr Yashvardhan Sharma on developing a system for automated text summarization.

- The main focus of the project was to explore the field of automatic summarization especially techniques used in the domain of Neural Networks.
- Developed a system which used a Convolutional Neural Network for the task of summarizing texts of Indian Languages.
- A primitive level para-phrase detection system was also created for training data generation

#### DigitalBITS Jan 2016 - Mar 2016

- The project was developed as a part of the Project Presentation, APOGEE 2016
- It proposed an online solution to the hostel leave approval problem faced by students on campus.
- It involved developing an Web and Mobile application to ease the process of application for students and the process of approval for the concerned authorities

#### Mini Projects Aug 2015 - Till Present

- Codeforces Rating Predictor: Linear Regression based predictor for Codeforces Rating based on user history
- Glyphicon Character Recogniser: LeNet style CNN based architecture for glyphical character recognition
- Parallel Branch and bound: implemented branch and bound for Travelling Salesman Problem and Knapsack Problem
- Exploration of DNS Cache Poisoning Attack and implementation of a prevention algorithm in SDN environment.
- Contributed code analyser module to phpsa, a open source project.

### POSITION OF RESPONSIBILITY

#### Technical Head, Coding Club Aug 2016 - May 2017

As a Technical Head of the club was responsible for discussing and infusing various technology stacks in the development activities of the club.

- Was responsible for guiding the development of online theme based quizzing events for BOSM and OASIS 2016.
- Was responsible for development and organization of an introductory Capture The Flag (CTF) type event in APOGEE 2017, the annual technical fest.

### ACHIEVEMENTS AND AWARDS

• Recipient of BITS Merit Scholarship awarded based on excellence in Academic performance	
• Recipient of Inspire Scholarship awarded for securing a rank in <b>Top 1%</b> students in the examination of XII grade	<b>2014</b>
• Was ranked <b>1884</b> out of 14L candidates in the country in JEE Mains	<b>2014</b>
• Secured 2nd position in the Software Development/Application Development category for DigitalBITS	<b>2016</b>