



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

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

SUMMER INTERNSHIP/WORK EXPERIENCE

Samsung R&D Institute- Bangalore

Aug 2018 - Till Present

- Working as a part of the Advanced Technologies Lab in a team called VizInsight.
- Primarily involved in the development of cognitive solutions in the field of Computer Vision for Samsung flagship devices.

Microsoft India Development Center-Hyderabad

Jan 2018 - Jun 2018

- 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.

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 Qamp;A forum as a part of Legal Research Section of the platform

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

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