

**VIBHOR JOSHI**

Course: B.E. (Hons.), Electronics and Instrumentation

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CGPA: 7.16

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
X	General	St. Joseph's Academy	ICSE	94	2010
XII	Science	St. Joseph's Academy	ISC	94.75	2012

ELECTIVES/TECHNICAL PROFICIENCY

Electives	Data Structures And Algo, Object Oriented Prog, Information Retrieval, Discr Struc For Computer Sci, Development Economics, Digital Design, Signals And Systems
Technical Proficiency	Languages: Java, Python, Javascript, HTML5, CSS. Tools: Eclipse, Git, Github, Tortoise SVN, Ipython Notebooks.

SUMMER INTERNSHIP/WORK EXPERIENCE**Oracle Financial Services Software, Bangalore****Jul 2016 - Till Present****Application Development Intern, Field of work : Web Development.**

- **Client-Side Scripting** for the Oracle Financial Services Application.
- Worked with **MVC approach, Javascript, HTML5** and CSS to contribute to the OFSA Data Modelling platform.
- Worked on **REST API** design for web services provided by OFSA.
- Integrated the **Process Management Framework API** with the Modelling platform.

Wadia Institute of Himalayan Geology**May 2015 - Jul 2015****Data Analysis Intern, Field Of Work: Data Analysis and Modelling.**

- **Seismic data** and seismograph readings from Chamoli district were provided for **cleaning**.
- The data was then processed into discrete values, which was then modelled using **Linear Regression and Python**
- The linear regression equation **constants** were then used to determine the **Seismic Albedo and Excitation Length**.
- These values were used to **predict the heterogeneity** of the earth's crust in the region.

PROJECTS**Graph Analysis and Clustering, to design overlay network, using Python.****Jan 2016 - Apr 2016****Field of work: Graph Algorithms.**

- Analysis of network topologies to select **best suited topology**.
- Based on client locations, analyzing the graph to **create clusters** in star topologies, and select **clusterhead** based on **betweenness centrality**.
- Creating a **Ring Topology connection** in the subgraph of clusterheads to finish the network topology.

Feature Selection on Text Data, using semantic analysis and BNS.**Mar 2016 - Apr 2016****Field of work: Information Retrieval**

- **Semantic analysis:** Using **LCH similarity**, Pos Tags and Synsets was done to reduce number of features.
- **Statistical measures:** TF-IDF, TF-BNS, Information Gain and chi2 were used.
- The performance was tested across several classifiers on the **classic4 dataset**.

Backend Development for Optimal Path Finding Road Map Visualization Application using Java and Maps API**Dec 2015 - Jan 2016****Field of Work: Algorithms.**

- Developed **Abstract data type classes** to model graphs and graph edges.
- Worked with intersection data provided by UNSD maps API, to find the **shortest path** between two intersections, using Dijkstra, Breadth First Search and A* search algorithms.

POSITION OF RESPONSIBILITY**Environment Protection and Awareness Club.****Apr 2015 - Apr 2016****Editor in Chief.**

- **Managed all publications** of the club, on paper and in electronic formats.
- Edited and contributed to the **monthly newsletter** of the club.
- **Managed a team** of junior editors.

ACHIEVEMENTS AND AWARDS

Awarded Merit-Cum-Need Scholarship by BITS, for every semester since 2013.

2013

Secured 1035 AIR in National Level Science Talent Search Examination 2009

2009**EXTRA CURRICULAR ACTIVITIES**

- Participated in International Coastal Clean-up Drive by Ocean Conservancy.
- Participated in Goa Greenathon as mentor for My Green Idea competition,
- Participated in Inventrom RoboLife Workshop.