



Vibhas Goyal

4th Year B.Tech Student

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Education

IIT Hyderabad

(2014 – current)

Pursuing B.Tech in Computer Science and CGPA : 7.87/10
Engineering Science at IITH with Minor in Entrepreneurship

DAV Chandrasekharapur , Bhubaneswar

(2012 - 2014)

XI and XII CBSE Board (95.8 %)

DAV NTPC/TTPS , Talcher , Orissa

(2010 - 2012)

IX and X CBSE Board (CGPA : 10)

Relevant Projects

StoryXpress Application and Software Development 2017)

(May - December

Worked on the implementation and deployment of various client side applications that helped the clients to develop videos from templates by using integrated API's through photos and audio provided as an input to the application. The development process involved integrating various new technologies such as NodeJS, ReactJS, Python, OpenGL, and Docker for the overall development on the application that would easily scale for millions of users.

Machine Learning Project (with Dr. Vineeth Balasubramaniam) (July - Dec. 2016)

The main objective of the project was to implement a Multi View Cluster in which data attributes were split into two data sets, such that either one would suffice for learning a model which was used to predict social graphs among similar kind of users in social media. This dataset was then combined to get better accuracy than the original model. We applied a unique approach to merge the dataset with it's line inverse to create a model with better prediction.

Distributed Mining Pool Implementation for Cryptocurrencies (June - Dec. 2017)

This project involves in depth study of cryptocurrencies such as BitCoin in order to create a distributed mining pool for them where every miner whose job is to create a hash of a particular difficulty for a given set of transactions in exchange for a reward, come to a consensus among themselves for the distribution of each miner's work and then the distribution of the reward according to each miner's contribution.

Demand Forecast Tool Development (IBM) :

We designed the front-end of the Demand Forecast Tool (DFT) which helps IBM managers to better manage their human resources. The development of the project involved working with NodeJS and Docker and other interesting web technologies.

Lexer and Parser Development (COOL Language Generation and Syntaxing) :

The objective of the project was to develop the lexer and syntax parser for the COOL programming language using antlr4 which is a Java utility tool for developing the programming language compiler.

SMS Controlled Irrigation System (IOT) :

We developed a working model of a SMS controlled irrigation facility using Arduino and GSM Module. Using this module any farmer in a remote village would be able to control his irrigational pump through the use of SMS from his mobile phone. This project won the IBM Hackathon conducted in the techno-management fest of IITH.

Position of Responsibilities & Work Experience

Student Head of E-Cell IITH

(May 2016 - May 2017)

E-Cell is a student body which promotes Entrepreneurship among the students. As the student head of E-Cell, I carried out many responsibilities which included organising the biggest student run hackathon in collaboration with IIT Hyderabad.

Creatives Coordinator of nvision 2016 March 2016)

(April 2015 –

As a Creatives Coordinator I had the responsibility of designing the fest's posters, logos, banners, printed media, brochure, physical arts using extensive skills of Photoshop and artistic creativity. I also managed a team of volunteers for the same.

Manager at E-Cell IITH

(May 2015 – May 2016

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As a manager I had the responsibility of event management, conduct sessions and successfully publicise events of E-cell.

Teaching Assistant , IIT Hyderabad

(July 2015 – December 2015

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Worked as a Teaching Assistant for Mathematics course (Calculus) under Dr. Tanmoy Paul

Relevant Coursework

- Machine Learning(Current)
- Compilers(Current)
- Data Structures
- Database systems and Management
- Strategic Innovative Entrepreneurship
- Digital Systems and Design
- Basic Control Theory
- Theory of Computation
- Computer Networks
- Business Plan Development

Skills

Programming Languages : C++ , C , Python , Java , PHP

Data Handling Languages : SQL (RDBMS)

Tools : Android Studio , SolidEdge , MATLAB, Antlr4

Web Development : NodeJs , HTML , CSS , JS

Design Skills : Web and App Design , Logo Designing , Adobe Photoshop , Illustrator

Achievements

Academic Excellence Award (March 2016) :

Won the academic excellence award for outstanding academic performance in Aug-Dec 2014 Semester.

IBM Hackathon :

Stood 2nd in IBM Hackathon conducted at IIT Hyderabad

KVPY Research Scholarship:

Got selected as a KVPY Research scholar after being interviewed by top scientists from IISc, Bangalore
