

SHUBHANG VERMA

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EDUCATION

Indian Institute Of Technology, Kharagpur	B-Tech And M-Tech (5Years)	8.57/10(till 6 th semester)	2010 – 2015 (Expected)
Central Academy, Dadabari, Kota	Higher Secondary Examination (12 th CBSE)	86.8/100	2010
Christu Jyoti Convent Senior Secondary School, Ujjain	Secondary Examination (10 th CBSE)	88.4/100	2008

SKILLS AND

PROGRAMMING SKILLS: C, Java(Core) , C++, PHP, Javascript, Mysql And HTML5.

ABILITIES

SOFTWARE SKILLS: Latex (Basics), Adobe Premiere Pro, Adobe Photoshop (Basics), Adobe Flash, Microsoft Office (Word, Powerpoint, And Excel).

OPERATING SYSTEMS: Windows And Linux (Ubuntu).

SCHOLASTIC ACHIEVEMENTS

- **All India Rank 951**, out of 4,70,000 students in IIT-JEE examination 2010.
- **All India Rank 1576** in AIEEE examination 2010 among 1,065,100 students.
- Felicitated for being the topper in **Chemistry (93%)** from Central Academy for CBSE 2010.
- Awarded Certificate of Excellence for being the topper in **Science (98%)** from Christu Jyoti Convent for CBSE (2008).
- Awarded Certificate of Excellence for being the District Topper in **MEC (Millennium Examination Council) Examination 2008**.
- Secured **Rank -1081** in National Level Science Talent Search Examination 2008.

ACADEMIC PROJECTS

- **Analytics Dashboard Based on Notification Click Data**
Worked with the Unified Notification Platform Team (UNP) at **Yahoo! Software Development** Private Limited, Bangalore to develop the Analytics Dashboard on **Hadoop Cluster** for user click data queries using Map-Reduce Jobs on Oozie Framework for HBase. The visualization was done using YUI Charts and Google Charts.
Guide : **Mr. Ganesh Kumar (Principal Engineer)**
Duration : **May – July-2013**
- **Dynamic Route Suggestion Based on Twitter Feeds and Current Traffic Conditions**
Presently developing a framework for providing Dynamic Route suggestions to users based on the current Twitter feeds and real time traffic data collected from Bing Maps, and Map-Quest API for the city of Kolkata.
Guide : **Prof. Sudeshna Sarkar**
Duration: **Sept-2013 – Present**.
- **Image Analysis for Preservation and Archiving of Indian Cultural Heritage.**
Worked to improve the algorithm of Exemplar based Image-Inpainting to redefine the source and target for the inpainting algorithm to take effect in **OpenCV**.
Guide : **Prof. Jayant Mukhopadhyay**
Duration : **May-June 2012**

- **Facebook Profile Search Engine and Quiz Portal**

Developed a profile search engine for facebook user's profile and an online Quiz Portal as part of the term projects in Database Management Systems course using MySql, PHP and Javascript.

Guide : **Prof. Pabitra Mitra**

Duration : **Mar – April 2013**

- **Anaphora Resolution**

Presently working on anaphora resolution in short stories of Panchantantra as part of the term project in Natural Language Processing course.

Guide : **Prof. Pawan Goyal** and **Prof. Sudeshna Sarkar**

Duration : **Sep-2013 – Present**

- **IIT Students Hall Management Software**

Developed a Java based Software for maintaining the database of all the Students registered in the Institute. The software contained the basic registration procedure like Hall allotment, Fee dues, and Room re-allocation.

Guide: **Prof. Partha Pratim Das** and **Prof. Rajib Mall.**

Duration : **Sep - Nov-2011**

RELEVANT
COURSES
UNDERTAKEN

Information Retrieval	Image Processing
Natural Language Processing	Database Management Systems
Advanced Graph Theory	Software Engineering
Algorithms and Data Structures	Computational Number Theory
Formal Language and Automata Theory	Theory of Computation
Operating Systems	Artificial Intelligence
Discrete Structures	Compilers
Computer Organization and Architecture	Computer Networks

EXTRA-
CURRICULAR
ACTIVITIES

ACADEMIC

- Developed a plugin for **Auto-Completion** in the open source **Messenger Pidgin** which gives hints to users based on personalized chat history.
- Participated in **Overnite-2013** (Coding Event at Kshitij-2013) and was a member of the one of the **top 20 teams** across India.
- Secured **3rd** in Kshitij-2013 and **6th** in Kshitij-2012 at event **NightShift**. (Junkyard Wars in the Techno-Management Festival of IIT-Kharapur)
- Developed a **Short film** by using small movie clips from different movies using Adobe Premiere Pro (CS 5.5) and Adobe Photoshop (CS 5) as part of the Visual Communication Project.
- Member of Mathematics Olympiad Team at Azad Hall of Residence.
- Member of **Student Welfare Group** of IIT-KGP. (An Initiative of Dean of Students Affair of IIT-KGP).