# Shubham Shukla

Roll No. 120101068
B.Tech. – Computer Science and Engineering
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| Degree | Institute | CGPA | Year |
|---|---|---|---|
| **B.Tech.-Computer Sc. & Engg.** | Indian Institute of Technology Guwahati | 7.34 | *2012-2016* |
| **Senior Secondary** | Rajiv Gandhi Sr. Sec. School, Bhopal | 90 % | *2012* |
| **Secondary** | Delhi Public School, Bhopal | 91.2% | *2010* |

## PROJECTS

**Pintos**                                     *AUG-NOV 2014*

*Prof. Samit Bhattacharya and prof. T. Venkatesh, Assistant Professor, Dept. of CSE, IIT Guwahati*

- Worked to build upon an Instructional OS named "Pintos" to implement features like Threading, Process Synchronization, System Calls, Virtual Memory, Paging, and File System.

**Online Trading**                              *MAR-APR 2014*

*Dr. P. K. Das, Associate Professor, Dept. of CSE, IIT Guwahati*

- Made an online trading portal. It's useful mainly for people living within a campus. It has features like search engine, auction etc. It has an android app too.

**Auto G**                                     *ONGOING*

*Dr. K.V. Srikanth, , Assistant Professor, Dept. of Mathematics, IIT Guwahati*

- Developed a cross-platform interface to ease computerized grading. It is currently distributed on Launchpad for Ubuntu versions greater than 14.04.

**Wall Follower**                              *NOV-DEC 2014*

*Prof. S.B Nair, Professor, Dept. of CSE, IIT Guwahati*

- Made a primitive version of wall follower robot. We used IMU sensor, ZIGBEE and ping sensor to maintain a fixed distance from wall., implemented on PIC Micro-Controller.

**Online Thesis Management Portal**             *NOV-DEC 2013*

*Prof. Santosh Biswas, Assistant Professor, Dept. of CSE, IIT Guwahati*

- Developed an online portal to ease the submission and management of B.Tech. and M.Tech. thesis. It includes Plagiarism Check, Messenger, Notice Board, Event Scheduler.

**2 Pass Assembler**                           *MAR-APR 2014*

*Prof. Santosh Biswas, Assistant Professor, Dept. of CSE, IIT Guwahati*

- Developed an assembler to convert a user-defined instruction set to assembly code runnable on 8085 simulator.

## TECHNICAL PROFICIENCY

- Programming Languages: C, C++, Basics of Java
- Web Development: HTML, CSS, JavaScript, PHP, JQuery
- DBMS: MySQL, Basics of Postgreesql
- Scripting Languages : Python, Bash
- Environments : Qt, Microsoft Visual Studio, Eclipse, NetBeans
- Operating System : Microsoft Windows, Linux

## RELEVANT COURSES

- Machine Learning – Coursera (by Prof. Andrew Ng)

- Software Engineering (by Prof. P.K. Das, Associate Professor, Dept. of CSE, IIT Guwahati)
- Operating Systems (by prof. Aryabartta Sahu, Assistant Professor, Dept. of CSE, IIT Guwahati)
- Algorithms (by prof Benny George K, Assistant Professor, Dept. of CSE, IIT Guwahati)
- Data Structures (by prof. Amit Awekar, Assistant Professor, Dept. of CSE, IIT Guwahati)

## ACHIEVEMENTS

- Ranked in Top 0.3% amongst 0.5 million aspirants in IIT-JEE 2012.
- Best Project Award of Fall 2013 for Online Thesis Management Portal by Prof. Santosh Biswas, Assistant Professor, Dept. of CSE, IIT Guwahati.