



K. Mohan Sai Krishna

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B.Tech. – Computer Science & Engineering
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Degree	Institute	CGPA	Year
B.Tech.-CSE.	Indian Institute of Technology Guwahati	4.51	2013-2017
Senior Secondary	BIIT Junior College, Guntur	85.90%	March, 2013
Secondary	Bhashyam Public School, Vishakapatnam	86.67%	April, 2011

PROJECTS

ALL-JS: ASSEMBLER, LINKER, LOADER & SIMULATOR

MAY' 15

Dr. Santosh Biswas

[GitHub](#)

- Implemented a two-pass assembler, linker, loader and simulator for a subset of the 8085 micro-processor instruction set, all in pure **Javascript**.
- All the entities were coupled into a single page interactive user interface which shows the process step by step & runs directly on the browser with no other dependencies.

ELECTION MANAGEMENT SYSTEM

APR-MAY' 15

Dr.P.K.Das

[GitHub](#)

- Built an online election management system for conducting the elections in universities. Entire project is built using **Bootstrap** and **Django** frameworks.
- The project can be easily hosted anywhere on any platform. It also contains various security features to ensure fair elections. Special precautions were taken to prevent **XSS**, **DoS** and other kinds of attacks in the forms.

CAPTCHA FOR WINDOWS (APP AND PLUGIN)

MAR' 15

Dr.P.K.Das

[GitHub](#)

- Built a **Visual C++** application in Visual Studio to produce CAPTCHA and verify it with the user input.
- It is built in a way so that it can be used by other developers. The CAPTCHA can be altered by simply changing the parameters. It can be used as a windows app or a plugin in for other projects.

TIME ZONE WINDOWS APP

FEB' 15

Dr.P.K.Das

- Made a simple **Visual Basic** application in Visual Studio to display time of the specific time zone when the user clicks on the world map.
- It is developed with the intension that it can be used by teachers in schools while teaching to kids.

IP AND PROXY CONFIGURER

MAR' 14

[GitHub](#)

- Built a Windows Desktop application using **C#** in Visual Studio that automatically calculates and configures IP and Proxy settings for students given their hostel room numbers.
- The applications is widely used by students in the IIT Guwahati campus.

ACHIEVEMENTS

- Ranked in **top 7%** out of **150,000** candidates in **JEE ADVANCED** 2013.
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TECHNICAL PROFICIENCY

- Programming Languages: C, C++, Javascript, Python.
 - Web Technologies: Node.js, Electron, JQuery, HTML, CSS, Django, Express, Node WebKit.
 - Documentation Tools : LaTeX, Markdown, Jekyll.
 - Revision control : Git.
 - Operating Systems: Windows, Ubuntu, Kali Linux.
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RELEVANT COURSES

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|--------------------------------------|-----------------------------------------------|
| • Data Structures (+lab) | • Software Engineering (+lab) |
| • Discrete Mathematics | • Computer Organization & Architecture (+lab) |
| • Digital Design * | • Operating Systems* (+lab) |
| • Data Communication * | • Data Communications* |
| • Formal Languages & Automata Theory | • Theory of Computation* |
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(* To be completed by December 2015)

POSITIONS OF RESPONSIBILITY

CITY REPRESENTATIVE, TECHNOLON 2014

- One of the organizers of Technolon 2014, the international school championship in the city of Vishakapatnam.

WEB DEVELOPER AT ALUMNI AFFAIRS IITG

- Developed the IITG Alumni Affairs and External Relations website.
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EXTRA CURRICULARS

- In top 50 teams in Microsoft's **Build the shield** (2015) security contest.
 - Participated in several **CTF's** (Capture The Flag) contests.
 - Completed Microsoft's **Code.Fun.Do** hackathon (2014) held at IIT Guwahati.
 - **Hacked** and gained access to the Institute library websites admin panel and database (Reported and fixed).
 - **Hacked** a pornography website (fixed).
 - Found **XSS** vulnerabilities in the Institute website.
 - Regular participant in various **Bug Bounties**.
 - Found a security loop hole in an Indian govt. website (Reported but not fixed yet).
 - Helped in securing the IIT Guwahati CSE dept. website.
 - Working on my own Startup.
 - Found many vulnerabilities in several website (All of them reported).
 - Working on several own projects.
 - Trekked Sandakphu peak (2015), 3,636mts (2/5th of the height of Mt.Everest).
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(References available on request)

