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FIELDS OF INTEREST

- Algorithms, Competitive Coding, Networking, Infrastructure, Scalability.

TECHNICAL SKILLS

- **Languages** (CPP, C), **Database** (MySQL, dynamodb, Redis, neo4j), **Script** (Python, PHP)
- **Servers** (nginx, apache2), **Version Control** (git), **OS** (Ubuntu, windows).

Web Frameworks, Technologies and Tools

- Flask, Codeigniter, cakephp, slim.
- Elastic search, AWS Lambda, Loggly.

ACADEMIC DETAILS

Examination	University	Institute	Year	CGPA/%
Graduation Specialization:	<i>Computer Science and Engineering</i>			
Graduation (B.Tech)	IIT Mandi	IIT Mandi	2015	7.23
Intermediate	U.P. Board	RRSVM, Dhampur	2010	82.4
High School	U.P. Board	RIC, Dhampur	2008	72.6

Relevant Profiles

- **Github:** <http://github.com/m3doc>
- **LinkedIn:** <http://in.linkedin.com/in/medoc>
- **Hackerrank:** <http://hackerrank.com/medoc>

MAJOR PROJECTS and WORK EXPERIENCES

- **Software Developer at Mycity4kids.com** (October 2015- present)
 - **Backend architecture design and implementation**
 - * Implemented neo4j for graph processing to make recommendation better.
 - * Implemented central logging system using rsyslog for storing and processing logs from all the servers to do analytics and error detection.
 - * Implemented reverse proxy to serve all micro services using nginx.
 - * Wrote different microservices in flask and slim to handle backend requests for all platforms (Web, mobile web, android and ios).
 - * Implemented elastic search, FCM and amazon SES.
 - * Handled complete migration of data from MySQL to dynamo db, Redis, and S3 for new architecture.
 - * Maintained and wrote new web-services in cake-php to handle the backend requests of android and ios applications.
- **Remote shell**
 - **What:** Client-Server utility which is similar to SSH in certain cases. Connects to multiple servers from a single client, executes given command in a single go on all the servers simultaneously and get the execution result on client.
 - **Technologies used:** Python
 - **Project Url:** <http://github.com/m3doc/RemoteShell>
- **Software Developer at Rockon.me** (July 2015- September 2015)
 - **Openstack, Mesos and Docker Implementation**

- * Implementation of mesos and docker combined with Openstack to scale the systems for high availability and load balancing with clustering.

- **Understanding Cyber Attacks Through Realistic Games**

(Guide:Dr. Varun Dutt, Assistant Professor IIT Mandi, August 2014-June 2015)

- **What:** Web based multi player game which can be played by two users against each other as a hacker and a defender.
- **Technologies used:** PHP, JavaScript, CSS, HTML, Codeigniter and Mysql
- **Project Url:** <http://github.com/m3doc/Cyber>

- **Web Portal for Student Registration and Grade Management**

(Guide:Dr. Arti Kashyap, Associate Professor IIT Mandi, February 2014-June 2014)

- **What:** A web portal to provide convenience to student and teacher to manage their subjects and grades of respective subjects at one place along with registration for the semester.
- **Technologies used:** PHP, JavaScript, CSS, HTML and Mysql
- **Project Url:** <http://github.com/m3doc/GradeManage>

- **Intern at lucideus.com (July 2014-August 2014)**

- **Sub-domain Finder**

(Guide:Vidit Baxi, Director Lucideus)

- * **What:** Web portal for finding the sub-domains of a website.
- * **Technologies used:** PHP, JavaScript, CSS, HTML and Mysql
- * **Project Url:** <http://github.com/m3doc/SubdomainFind>

- **Network Scanner**

(Guide:Dr. Aditya Nigam, Visiting Assistant Professor IIT Mandi, August 2014-November 2014)

- **What:** Cross platform tool written in python to scan the local network to find the hosts connected to the network, their MAC addresses and services running on them.
- **Technologies used:** Python, Bash script, Nmap
- **Project Url:** <http://github.com/m3doc/NetworkScan>

- **Prototype of Robotic Arm Controlled by Human Arm**

(Guide:Dr. Anil K. Sao, Assistant Professor IIT Mandi, February 2013-June 2013)

- Prototype of robotic arm which can be controlled by another human arm with three dimensional motion.

- **Academic Intern at IIT Hyderabad**

(Guide:Dr. Kiran Kuchi, Associate Professor Department of Electrical Engineering IIT-Hyderabad, June 2013-July 2013)

INTEREST AND HOBBIES

- Competitive Coding.
- Solving Puzzles.
- Watching Mystery Movies.