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EDUCATION

Program	Year	Institution	% / CGPA
Bachelor of Engineering	2017	Jabalpur Engineering College, Jabalpur	7.52
XII Board – CBSE	2013	Kendriya Vidalaya COD , Jabalpur	79.4%
X Board – CBSE	2011	Burhanpur Public School, Burhanpur	8.8

INTERNSHIP

Google Summer of Code 2016 *Improving voice, video and chat communication of resiprocate* **(APRIL–AUG '16)**

- ➢ Improve logging (log symbolic error names instead of numeric errno values).
- ➢ Enable TLS SNI support for client and server connection .
- ➢ Enable the client to send the SNI name in outgoing TLS connections to other servers.
- ➢ Detect if incoming connection request a specific hostname using SNI and reply with the appropriate server certificate.
- ➢ Created shortcut keys for performing essential operation instantly.
- ➢ Worked on C, C++ and Python.

PROJECTS

- ➢ Operate Mouse and played snooker with the help of index finger gestures using OpenCV C++ API.
- ➢ Created a hand gesture recognition program using OpenCV with C++ API.
- ➢ Built project on "Time Table Generation System" in C++ under guidance of CMC Academy during Vocational Training.
- ➢ Built project on "Mob Counter and Object Detection" in C++ under guidance of INTECT INFONET.
- ➢ Found security leak in WeChat(Free messaging and calling app) using C++ and curl library.

Open Source Contributions

- ➢ Contributed to resiprocate.org, a non-profit project dedicated to maintaining a complete, correct and commercially usable implementation of SIP and a few related protocol. Wrote about 1500 lined of code including bug fixes and enhancements.
- ➢ Documentation and minor bug fixes in Apache Thrift, SNI proxy, Biicode, cppcheck projects.

EXTRA CURRICULAR ACTIVITIES

- ➢ Member of organising team at Aureole ,2016.
- ➢ Member of management team for performing "Treasure Hunt" in JEC on Engineers Day, 2015.

AREA OF INTEREST

- ➢ Like to work with Gesture technology using OpenCV for tracking and analyzing gestures of hand, finger, eyes etc.
- ➢ Like to solve competitive problems and take part in challenges in Codechef, Hacker Earth

SKILLS

Languages	C, C++
Environments	Linux (Debian, Ubuntu), Windows
Tools/Libraries	OpenCV, Curl
Version control systems	Git

Personal WebBlog : http://udit043.blogspot.in/
GitHub (Projects): https://github.com/udit043
StackOverflow : http://stackoverflow.com/users/4499919/udit043
Youtube : https://www.youtube.com/channel/UC8-VO5MVPJg7SMQFFvw6O_w