

Shubham Agrawal

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EDUCATION

International Institute of Information Technology, Hyderabad <i>Master of Technology, CSE</i>	July 2019 - Present <i>CGPA : 9.8</i>
Medicaps Institute of Science and Technology, Indore <i>Bachelor of Engineering, CSE</i>	Aug 2015 - June 2019 <i>CGPA : 8.8</i>
St. Mary Champion School, Indore <i>Senior Secondary Certificate</i>	July 2013 - June 2015 <i>PCT : 92</i>
St. Mary Champion School, Indore <i>Higher Secondary Certificate</i>	July 2011 - June 2013 <i>CGPA : 8.2</i>

ACADEMIC PROJECTS

Version Control System ◦ Developed a Version Control system in Python. ◦ Functionalities : init, add, status, commit, rollback, retrieve, log, diff, push and pull ◦ Improvements : Space Optimized	Nov 2019 - Dec 2019
Mini torrent ◦ Developed a Peer-to-Peer group based file sharing system in C++. ◦ Functionalities : Chunk based sharing, Centralized tracker, Piece selection algorithm ◦ Improvements : Peer sharing permission, Large files, Faster Downloading	Sept 2019 - Oct 2019
SASH Shell ◦ Developed a POSIX compatible shell in C++. ◦ Functionalities : Basic Commands, Pipes, IO redirection, Command auto-completion	Aug 2019 - Sept 2019
Smart Home System ◦ Developed a smart home system with Raspberry pi 3 and also an android app to operate it. ◦ Functionalities : Controlling home Appliances, Door Lock, Security system, Notifications via email	July 2018 - Dec 2018

KEY SKILLS

- **Programming Languages:** C, C++, JAVA, Python, Shell Scripting
- **Web Languages:** HTML5, CSS3, JavaScript, XML
- **Development Tools:** NetBeans, Eclipse, Android Studio

ACHIEVEMENTS

◦ GATE Qualified with AIR 388	March 2019
◦ BARC Qualified	March 2019

AWARDS AND SCHOLARSHIPS

◦ Chancellor's scholarship, RGPV, Bhopal	July 2018
◦ Shri Dewang Mehta Excellence Award	July 2016