

VIRESH GUPTA

Software Engineer

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🏆 Recent Awards

- 2018 **Selected for Google Summer of Code 2018**
- 2017 **Dean's list award for Innovation in Research and Development**
- 2017 **Dean's list award for Academic Excellence**
- 2016 **Recipient of Honourable mention in Indian National Olympiad in Informatics (INOI)**
- 2016 **AIR 1 in IMU Examination**
- 2014 **Selected for the national training camp of International Earth Science Olympiad**

📁 Projects

- Assembly Simulator**
Nov'17
Team Leader
A simulator for ARM assembly language subset. Reads machine code from a file and simulates it like an arm processor in a 5 stage cycle.
- Schedulr**
Oct'17
Pair Programming
A room booking system complete with server and client. Uses multithreading in JAVA and JavaFX for GUI development.
- Tower of Hanoi**
May'17
Personal Project
An Android app to simulate the game-play of the classic puzzle - Tower of Hanoi.
- iDabba**
Jan'17 - Mar'17
Algorithm Designer
An IOT based smart container, which can detect the objects kept in it using image processing and report the environmental conditions.
- CardioSol**
Feb'17
Team Leader
An offline GUI application to detect heartbeat rate using a webcam and diagnose possibility of Tachycardia. Uses image Recognition.
- VR Game**
Sep'16 - Nov'16
Team Leader
A single player virtual reality game in Unity, complete with the environment and a playable character. Uses Google Cardboard API.
- ChatIT**
Aug'16 - Nov'16
Personal Project
A Global chatting platform, made using Flask framework. Currently Deployed on heroku.

🎓 Education

- 2016 - Now **BTech in CSE, Sophomore at IIIT-Delhi**
CGPA - 9.48
- 2014 - 2016 **CBSE's AISCCE (XII), Salwan Public School**
94.4 %
- 2004 - 2014 **CBSE Standard X Examination, Salwan Public School**
CGPA - 10.0

⚙️ Computer Skills

Programming Skills : C++, JAVA 8, Python, C, C#, Assembly, MATLAB, COBOL

Development Tools : Linux, Shell Scripting, HTML 5, CSS 3, JS, Git, Powerpoint, Excel, Word, ~~LaTeX~~, Unity 5, Photoshop

Familiar Frameworks : Flask, Android Studio, VueJS, Bulma CSS, Bootstrap CSS, Mainframe z/OS

</> Interests and Hobbies

Technical

Competitive Programmer
Open Source Enthusiast
Active Hackathon Participant
CTF Enthusiast

Others

Photography
Table Tennis
Swimming

📱 Social Profiles

- github.com/virresh
- [linkedin.com/in/virresh](https://www.linkedin.com/in/virresh)
- [virresh.wordpress.com](https://www.virresh.wordpress.com)

Positions of Responsibility

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|-------------------------------------|---|
| Event Head Aug'17 | Organiser of HackIIIITD, College's annual Hackathon. |
| Web Dev. Head Jun'17 - Aug'17 | Head of the website development team of College's annual techfest Esya. |
| Event Head May'17 | Organiser of O(1) Hack, a Hackathon for Entrepreneurs. |
| Founding Member Jun'17 - Present | Founding members of college's Scripting and Security Society - d4rkc0de |
| Founding Member Jan'17 - Present | Founding member of college's Mathematics club - Evaristé |
| Member Aug'16 - Present | Member of Software development society of College - Byld |
| Member Aug'16 - Feb'17 | Member of competitive programming club of College - FooBar |

Languages

Hindi, English, French

Courses

Excelled in the following courses: (A grade point of 10 along with excellence in all programming courses)

- Advanced Programming
- Data Structures and Algorithms
- Systems Management
- Introduction to Programming
- Introduction to Engineering Design
- Linear Algebra
- Competitive Programming

Achievements at a glance

- Prize winner in [TopCoder's humblefool hackathon](#) 2017.
- Featured on [IBM's wall of fame](#) for Master the Mainframe contest (for demonstrating z/OS JCL and COBOL programming capabilities)
- Recognised for achievement (top 50) in [Capture The Flag \(CTF\) organised by DRDO](#) (Defense R&D Organisation of India, Ministry of Defense).
- Perfect Score of 100% in the [first NPAT](#) (A programmers aptitude test conducted by NPTEL)
- Completed Applied CS with Android Course and Certification by Google.
- Actively engaged in helping the community by working with NGO's to teach underprivileged children.
- Member of Open Source organisations like Coala and FossAsia, Local Developer groups like Facebook Developer Circles, Google Developers Group
- Member of top two teams selected to represent IIIT-Delhi in Smart India Hackathon 2017.
- Prize Winner in Various College Events:
 - Hackathon's (Byldathon'16, Game Development Hackathons, etc)
 - Competitive Programming (Prosort 33 etc)
 - Programming Language Adaptation (Darwin Games etc)
- Organizer of intraschool quizzes during in school.
- Active member for the protection of our environment and one of the founding members of Reso Green Club, a club that works towards planting trees in the neighbourhood and conduct sessions on best out of waste and recycling.