

VIRESH GUPTA

Software Engineer

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🏆 Recent Awards

- 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 gameplay 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 AISSCE (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
🌐 virresh.wordpress.com

Positions of Responsibility

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 Oone 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)
- 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.