

# VIRESH GUPTA

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## 🏆 Recent Awards

- 2018   [Google Summer of Code 2018](#) with coala
- 2017   Dean's award for Innovation in Research and Development
- 2017   Dean's award for Academic Excellence
- 2016   Recipient of [Honourable mention](#) in Indian National Olympiad in Informatics (INOI)

## 📁 Projects

- coantlib**  
Aug'18  
GSoC Project  
A python library that provides a linting API using parse trees. Integrates ANTLR with coala.
- Chrome Extension**  
Jun'18  
Personal Project  
A chrome extension built for navigating the intra-day charts provided by NSE (National Stock Exchange).
- ClubMan**  
Apr'18  
Personal Project  
A Club Management Portal based on JSPs. Built and tested with Apache Tomcat and uses JDBC powered MySQL backend.
- 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.
- 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.
- 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. Uses asynchronous js instead of sockets. Currently [Deployed on heroku](#).

## 🎓 Education

- 2016 - Now   **BTech in CSE, 3rd Year at IIIT-Delhi**  
CGPA - 9.46
- 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, Python, C, Assembly

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

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

## </> Interests and Hobbies

### Technical

Competitive Programmer  
Open Source Contributor  
Active Hackathon Participant  
CTF Enthusiast

### Others

Photography  
Table Tennis  
Swimming

## 👤 Social Profiles

- 🌐 [github.com/virresh](https://github.com/virresh)
- 🌐 [linkedin.com/in/virresh](https://linkedin.com/in/virresh)
- 🌐 [virresh.wordpress.com](https://virresh.wordpress.com)
- 🐦 [twitter.com/virresh](https://twitter.com/virresh)

## Positions of Responsibility

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<b>Administrator</b> May'18 - Present	Administrator / President of college's Software Development society - Byld.
<b>Event Head</b> Aug'17	Lead Organiser of HackIIITD, College's annual Hackathon.
<b>Web Dev. Head</b> Jun'17 - Aug'17	Head of the website development team of College's annual techfest Esya.
<b>Event Head</b> May'17	Organiser of O(1) Hack, a Hackathon for Entrepreneurs.
<b>Founding Member</b> Jun'17 - Present	Founding members of college's Scripting and Security Society - d4rkc0de
<b>Founding Member</b> Jan'17 - Present	Founding member of college's Mathematics club - Evaristé
<b>Member</b> Aug'16 - Present	Member of Software Development society of College - Byld
<b>Member</b> Aug'16 - Feb'17	Member of competitive programming club of College - FooBar

## Work Experience

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<b>Undergraduate Research</b> Aug'18 - Present	Research work under supervision of Dr. Tanmoy Chakraborty at <a href="#">LCS2 Lab</a> in the field of collusion detection.
<b>Remote Developer</b> May'18 - Aug'18	<a href="#">Worked</a> with developers of coala from all over the world and authored library <a href="#">coantlib</a> from scratch for Google Summer of Code 2018.
<b>Winter Project</b> Dec'17	Researched over the weaknesses of plagiarism detection using MOSS under Dr. Vivek Kumar.

## Achievements at a glance

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- 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.
- 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 (Prosor 33 etc)
  - Programming Language Adaptation (Darwin Games etc), Math Contests (ZPC)

## Languages

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Hindi, English, French

## Courses

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

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