

VIRESH GUPTA

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🏆 Recent Awards

2018, 2017	Dean's award for Academic Excellence
2018	Google Summer of Code 2018 with coala
2018	GCI Mentor 2018
2017	Dean's award for Innovation in Research and Development
2016	Honourable mention in Indian National Olympiad in Informatics (INOI)

💼 Work Experience

Research Project Aug'18 - Present Computational Linguistics	Research work under supervision of Dr. Tanmoy Chakraborty at LCS2 Lab in the field of collusion in online reviews and user ranking algorithm on Amazon. (using NLP and ML techniques)
Remote Developer May'18 - Aug'18	Worked with developers of coala from all over the world and authored library coantlib from scratch for Google Summer of Code 2018. which works by creating a linting api for any language given a formal grammar compatible with ANTLR.

👤 Positions of Responsibility

Administrator May'18 - Present	Administrator / President of college's Software Development society - Byld.
Event Head and Creatives Lead Aug'17	Lead Organiser of HackIIITD, College's annual Hackathon and head of website development team for Esya'17
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 - Feb'17	Member of competitive programming club of College - FooBar

🎓 Education

2016 - Now CGPA - 9.46	BTech in CSE, 3rd Year at IIIT-Delhi
2014 - 2016 94.4 %	CBSE's AISSCE (XII), Salwan Public School
2004 - 2014 CGPA - 10.0	CBSE Standard X Examination, Salwan Public School

⚙️ 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 : Tensorflow, 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
[linkedin.com/in/virresh](https://www.linkedin.com/in/virresh)
[virresh.wordpress.com](https://www.virresh.wordpress.com)
twitter.com/virresh

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](#).

Languages

Hindi, English, French

Coursework

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
- Linear Algebra
- Competitive Programming
- Computer Organization
- Discrete Mathematics
- Number Theory
- Operating Systems
- Database Management Systems
- Introduction to Engineering Design

Achievements at a glance

- Prize winner in [TopCoder's humblefool hackathon](#) 2017.
- Featured on IBM's wall of fame for [Master the Mainframe contest](#) (2017, 2018) (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 (Prosport 33 etc)
 - Programming Language Adaptation (Darwin Games etc), Math Contests (ZPC)