VIRESH GUPTA

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🏆 Recent Awards

2018	Dean's award for Academic Excellence
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	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 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 : 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
virresh.wordpress.com
twitter.com/virresh

🧑 Positions of Responsibility

Administrator
May'18 - Present

Administrator / President of college's Software Devlopement society - Byld.

Event Head
Aug'17

Lead Organiser of HackIIITD, 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

💼 Work Experience

Undergraduate Research
Aug'18 - Present

Research work under supervision of Dr. Tanmoy Chakraborty at LCS2 Lab in the field of collusion detection.

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.

Winter Internship
Dec'17

Researched over the weaknesses of plagiarism detection using MOSS under Dr. Vivek Kumar.

📖 Languages

Hindi, English, French

✳ Courses

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

🏆 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.
- 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), Math Contests (ZPC)