Ritesh Goyal

Education

2016-2020   **B.Tech**, *Punjab Engineering College (Deemed to be University)*, Chandigarh, *CGPA - 9.5 | 95%*.
Computer Science & Engineering

2015-2016   **Higher Secondary (PSEB, Mohali)**, *Atam Public Senior Secondary School*, Ludhiana, *Percentage - 98.22%*.

2013-2014   **Secondary (PSEB, Mohali)**, *Atam Public Senior Secondary School*, Ludhiana, *Percentage - 91.53%*.

Internships & Experience

April 2020 - August 2020   **Coding Ninjas**.
- Took doubt sessions
- Debugged codes. The total count crossed 1000.
- Helped students in their assignments and various project.

Jan 2019 - June 2019   **Samsung R&D Institute**, *Bangalore*.
- Research and development of Machine learning models for sentence classification.
- Worked on the development and integration of model ensuring mobile compatibility.
- Presented research in a Research paper as well for Samsung Best Paper Awards.

Skills & Interests

Technology   Web Development, Machine Learning, Computer Vision, Data Science

Languages   C++, Familiar with C, Javascript, HTML, CSS, Python, Java

Frameworks   Familiar with React, React-Native, Flask, OpenCV, Keras, Git

Projects

November 2019   **Hyperloop**, *https://github.com/hyperloop-corp/hyperloop*.
- Developed a Mobile Application using **Dart** and **Firebase**.
- It is a platform to provide all the instructions to commute from one place to another using every mode of public transportation
- It facilitates an offline wallet, ticketing system and tracking options.

May 2019   **PECFEST**, *https://github.com/goyalritesh21/pecfest2019_frontend*.
- College Fest Website using **React** and **Django**.
- Hosted and deployed website on aws.
- Live on https://pecfest.in.

Aug 2018 - Dec 2018   **EVote**, *https://github.com/goyalritesh21/EVote*.
- E- Voting system using **React Native** and **Blockchain**.
- Built the native app for Android and IOS using reactjs.
- Successfully integrated with blockchain backend.

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Jan 2018 - May 2018	**Visual Helper**, *https://github.com/goyalritesh21/visual_helper*. ○ Real-time object detection system using **Deep learning** and **OpenCV**. ○ Used pre-trained **MobileNet-SSD** network. ○ Optimized to reach 72.7% mAP (mean average precision). ○ Able to detect 20 objects.
Feb 2018 - March 2018	**Mines' Layout Plotter**, *https://github.com/goyalritesh21/mineplotter*. ○ A **Flask** Web-application. ○ Used to plot the layout of mines in the minefield. ○ Used Python script to plot the graphs. ○ This project was done in collaboration with the **Captain Parambeer Singh, Indian Army** (Currently posted in Chandimandir Cantt.). ○ This project made way to the finals of the **Innovations in army competition**.

Positions of Responsibility

2019-2020	Chair - PEC-ACM Student Chapter, Class Representative, Student Representative, PECFest 2019 Website Head .
2017-2018	Class Representative, Member of Implementation body of EIC & CSS, Hostel Senior, Hostel Representative in Student Affairs Council.
2016-2017	Class Representative, Mess Secretary, Volunteered as Marketting and Publicity Sub-head in PECFEST 2016 & 2017.

Achievements

2019	**Team Rank 1** among 60+ teams in OctaHacks2.0 organized by Developer Student Circle, Chitkara University, Rajpura.
2019	**Team Rank 1** in Ideate, IIT-Bombay zonals organized by SESI, Punjab Engneering College.
2019	**Team Rank 436** among 27000+ teams in CodeChef SnackDown 2019.
2018	**Team Rank 3** among 30+ teams in Apratim Hackathon organized by Chandigarh College of Engineering & Technology, Chandigarh.
2018	**Team Rank 1** among 30+ teams in Hack Zero to One organized by Computer Science Society, Guru Nanak Dev University, Amritsar.
2016	Secured **Rank 9** in Punjab in 12th Std.

Extra-curricular Activities

CSS, ACM Student Chapter	Organized Local Hack Day in association with MLH in 2019, Organized and took workshops, organized fortnight Code Battles on Hackerearth, The Ultimate Coding Showdown in collaboration with IIT-Bombay, Code Relay at PECFEST 2018.
IEEE, PEC Student Branch	Organized workshops and technical events like Robo run, H/W hackathon, at Techadroit & S/W hackathon, Ethical Hacking Workshops and Hackthon, at PECFEST 2018.
EIC, PEC	Organized Intern Fair in which 20+ startups were invited who offered internships to 100+ students, organized Chandigarh Start-up Weekend, PECTuber, You Sell They Shell, IPL Auction and Brainstorming workshop.