

Ritesh Goyal

Education

- 2016-Present **B.Tech**, *Punjab Engineering College (Deemed to be University)*, Chandigarh, CGPA - 9.49 | 94.9%.
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

- Jan 2019 - **Samsung R&D Institute, Bangalore.**
- June 2019
 - 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.
- May 2019 - **Coding Ninjas.**
- September 2019
 - Took doubt sessions
 - Debugged codes
 - Helped students in their assignments and various projects

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

Positions of Responsibility

- Present Chair, CSS (ACM Student Chapter), Class Representative, Member of Implementation body of IEEE, & EIC .
- 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 Marketing 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 Engineering 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.

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