

HIMANSHU PATEL

Naya Raipur, Chhattisgarh, India

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EDUCATION

Year	Degree	Institute	CGPA/Percentage
2018-2022 (Expected)	B.Tech in Computer Science and Engineering	International Institute of Information Institute, Naya Raipur (C.G.)	8.69/10.00 (Till Semester IV)
2017	Class XII, CBSE	Delhi Public School, Bhilai (C.G.)	85.2%
2015	Class X, CBSE	Delhi Public School, Bhilai (C.G.)	10/10

SCHOLASTIC ACHIEVEMENTS

- Qualified for **ACM-ICPC 2019 Amritapuri Regionals** with **college rank 2**
- **Top 99 Percentile Score** in JEE Mains 2018 among 1.2 million candidates
- Received scholarship from IIIT Naya Raipur for academic performance for **2 consecutive years**

PROJECTS

Crop Insect Classification (<https://github.com/patel-himanshu/Crop-Insect-Classification>)

- Mentor: *Dr. Vivek Tiwari (IIIT Naya Raipur)*
- Worked on real-life insect classification present on crops, by making use of deep learning models such as VGG16, GoogLeNet and MobileNet, using dataset obtained from Indira Gandhi Krishi Vishwavidyalaya, Raipur, and created a mobile app and Django web app for the same.

Zephyr-One - Border Security Robot

- Mentor: *Dr. Bipin Chandra Mandi (IIIT Naya Raipur)*
- Created an autonomous border surveillance robot, by patrolling along on a fixed path, with an additional option of manual override of the controls of the robot using Raspberry Pi 3 B+ and Arduino Uno.

Web Scraper (<https://github.com/patel-himanshu/Web-Scraper>)

- Working on creating a collection of web scraping scripts (using BeautifulSoup, Scrapy, Selenium) that could potentially serve as a good set of tutorials to newcomers and veterans alike.

TECHNICAL SKILLS

- **Languages:** Python, C, C++, Java, HTML, CSS, Dart, MATLAB, LaTeX
- **Frameworks:** TensorFlow, Keras, Django, Flask, Angular, Flutter, Scrapy
- **Libraries:** NumPy, Pandas, Matplotlib, Scikit-Learn, OpenCV, BeautifulSoup
- **Operating Systems and Tools:** Windows, Linux, MySQL, Git, Jupyter Notebook, Selenium
- **Hardware:** Arduino Uno, Raspberry Pi

COURSES UNDERTAKEN

Data Structures, Object Oriented Methodologies, Digital System Design, Database Management System, Web Programming, Computer Organization, Operating System, Computer Networks, Computational Intelligence, Discrete Mathematics, Calculus, Linear Algebra and Differential Equations, Random Process and Statistics

EXTRA-CURRICULAR

- **Member** of **The Society of Coders**, IIIT-Naya Raipur
- **Event Head** of the core coding competition of **Technovate 2020** (*Techno-Cultural Fest of IIIT-NR*)
- Member of team that created the website for **Student Activity Center**, IIIT Naya Raipur