

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.)	8.66/10.00 (Till Semester III)
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

- Mentor: *Dr. Vivek Tiwari (IIIT Naya Raipur)*
- Working on real-life insect classification present on crops, by making use of deep learning models such as VGG16 and GoogLeNet, using data sets obtained from Indira Gandhi Krishi Vishwavidyalaya, Raipur

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, JavaScript, MATLAB, LaTeX
- **Frameworks:** TensorFlow, Keras, Django, 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, 8086 Microprocessor programming

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, Electronic Circuits, Signals and Systems, Embedded Systems, Digital Signal Processing*

* Courses to be completed by Spring 2020

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