

Piyush Chauhan

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Work Experience

Q Me

CO-FOUNDER AND ENTREPRENEUR

Mumbai
April 2020 till Date

- Made two **production ready mobile apps in Flutter alone**.
- Used **UX Design Skills** in Adobe XD to build UIs and develop them in Flutter
- Lead and developed a learning mindset and customer centric culture among the team

Crimson Interactive

INTERNSHIP

Mumbai
May, 2019

- Implemented grammer checker using **rule based NLP techniques**
- Worked with parse trees for sentences for error correction

Education

Indian Institute of Technology Patna

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Patna, India
July, 2017 - Exp. May, 2021

- **CGPA (upto Semester 5):** 7.48(Overall) and 7.89(CS Courses)

IITians' PACE, Borivali

INTERMEDIATE SCHOOL IN SCIENCE

Mumbai, India
Sept. 2015 - Mar. 2017

- **Among the Top 1% percentile in Maharashtra**
- **Percentage :** 83.69%

Muljibhai Mehta International School

HIGH SCHOOL

Virar, Palghar, India
Mar. 2015

- **CGPA :** 9.6

Achievements

Jan 2020 **1st Place**, NIT Patna Hackathon 2.0
2019 **Top 20**, among 3500+ participants of SYND iINNOVATE Hackathon by Syndicate Bank

Patna, India
Bangalore, India

Skills and Intrests

Languages Python, Dart, C/C++, Bash, JavaScript, Assembly Language
Abilities Data Visualization, Data Analysis, Deep Learning, Computer Vision
Tools Linux, Git, Flutter(Android), Tensorflow, OpenCV, Adobe XD, \LaTeX ,
Web PHP, MySQL, NodeJS, HTML5, CSS, JS, JQuery, Bootstrap
Exercises Design Thinking, Product Development
Interests Football, UX design

Projects

DRDO's UAV Swarm for Extraction(Project Lead)

8TH INTER IIT TECH MEET, IIT ROORKEE

IIT Roorkee
Dec. 2019

- Used **Computer Vision** Techniques to detect green blocks from aerial images from Drones and communicate its location to base station
- Made peer to peer network communication between drones so that Drones don't collide into one another.

Multilingual Whatsapp Chatbot

CUSTOMER INTERACTION

IIT Patna
Aug. 2019

- Applied automation in browser with an aim to implement a chatbot in Whatsapp to chat with potential customers, do their form filling while having conversation
- Interface: Using web scraping library, **Selenium in Python** to send and recieve messages,files, photos, count unread messages, etc.
- Backend: Corpuses in Hindi and English was used to train the chatbot with Rasa framework.

UAV for Disaster Management (piyushchauhan.github.io/UAVs-for-DM)

IIT Patna

IIT PATNA

Jan. 2019 - Apr. 2019

- Collect data from the drone like location, direction and images
- Using **pose-estimation technique with the help of Pose Net to detect the body postures** of Humans and classify who needs help in the disaster affected areas
- Controls of Unmanned Aerial Vehicle through Pixhawk 4, Raspberry Pi 3 and ArduPilot
- We could not use on-board processing (NVIDIA Jetson TX2) due to increasing weight of the drone and high power consumption of the processing board which would reduce the flight time of the drone.

Android controlled Door Lock System (dsciitpatna.github.io/Android-Door-Latch-System)

IIT Patna

IIT PATNA

Apr. 2019

- Built an **Android app** that controlled Door Latch system indicating the status of the door whether closed or open
- The door latch can be controlled from anywhere provided you have an internet connection
- Used **Firestore to send notifications** on door status change.

The Eye in the Sky

IIT Bombay

7TH INTER IIT TECH MEET, IIT BOMBAY

Dec. 2018

- Used Machine Learning and **Computer Vision** Techniques like U-net
- Applied different Machine Learning Techniques like **Image Segmentation**, Upsampling Downsampling, to classify segments of Satellite Images as Water Body, Settlements, Agriculture, Forest, etc.
- Performed analysis of geostatistical data and remote sensing libraries and techniques like GIS

Warehouse Inventory Check

IIT Madras

6TH INTER IIT TECH MEET, IIT MADRAS

Oct. 2017 - Jan. 2018

- Applied Computer Vision to **detect the lines on the floor from the camera on the UAV and decode QR and Bar codes on the boxes**.
- Assisted in making an Unmanned Aviation Vehicle(UAV) to navigate in a Warehouse using the guide lines on the floor and scan the QR and Bar codes on the boxes kept on shelves which are at different heights.
And finally send the decode information from the QR and Bar codes over a network.

Position of Responsibilities

Technical Head and Core Committee Member

IIT Patna

GOOGLE DEVELOPERS STUDENT CLUB, IIT PATNA

Feb. 2018 - Present

- Helping to build a community of Developers with an aim to create value for the society
- Managing Projects, interacting with project mentors and project heads
- Conducting various events like Meetups, Workshops, Study Jams etc.

Technical Events Coordinator

IIT Patna

ANWESHA, ANNUAL FEST OF IIT PATNA

Oct. 2019 - Feb. 2020

- Management of all the technical events held in Anwasha, IIT Patna
- Managed IIT Patna's first Student Organised Hackathon from raising sponsorship to promotion

Lead Organiser and Curator

IIT Patna

TEDXIITPATNA

Dec. 2018 - Sept. 2019

- Inviting guests for TEDx talks which feature an idea that is worth spreading
- Raising sponsorship from companies and marketing for them

Web Development Sub-Coordinator

IIT Patna

CELESTA, TECHNO-MANAGEMENT FEST OF IIT PATNA

Mar. 2018 - Mar. 2019

- Contributed to the Website's Front End hosted at <https://celesta.org.in/>
- Applied my skills in HTML, CSS, JavaScript, Bootstrap, JQuery for front end and PHP, MySQL for back end