

# PREETIKA CHHOTRAY

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## EDUCATION

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**Guru Gobind Singh Indraprastha University**, New Delhi, India

**Bachelor of Technology, Information Technology**, Aug 2016 – June 2019

Percentage: **77.1**  
(**Summa cum laude**)

**Christ University Faculty of Engineering**, Bangalore

**Bachelor of Technology, Computer Science**, June 2015 – June 2016

GPA – **3.05/4**

## RELEVANT WORK EXPERIENCE

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**DevDarshan**, New Delhi

**Tech and Analytics Intern**

Aug 2020

- Helped in onboarding of temples on the web application using airtable and increase the overall count by 90%.
- Used GoogleAPI (Places API) in order to automate the search of temples as per the radius and ratings provided.

**PepCoding Education Pvt Ltd**, New Delhi

Feb 2020 – Jul 2020

**Data Structures & Algorithms**

- Honed my Data Structures and Algorithms skills and started competitive coding by taking a certification course in Java from Pepcoding Education Pvt Ltd. ( <https://bit.ly/33s0iIe> )

**OLA**, Gurgaon

**Business Analyst Intern**, Revenue Management Team

Aug 2019 – Dec 2019

- Built constructs for pricing strategies, business operations, and market research for the growth and expansion of Ola Electric in the Delhi-NCR region.
- Headed the business operations and market research surveys to grow the business where there was witnessed a growth of 12 – 15 % in the driver partners and profit.
- Analyzed the data using technologies like Hive, Excel and SQL.

**AIRPORT AUTHORITY of INDIA**, New Delhi

Jun 2018 – Jul 2018

**Data Analyst Intern**, IT Department

- Analyzed MIDT and predicted results on the basis of the data by understanding the business requirements in order to profit the airport and the airlines.
- Used exploratory Data Analysis and Tableau for the data visualization.

**DEFENCE RESEARCH DEVELOPMENT ORGANIZATION**, New Delhi

Jun 2017 – Jul 2017

**Web Development Intern**, DESIDOC

- Developed a Leave Management Portal for the employees at DRDO to digitize the leave sanctioning process.
- Built the portal using Xampp for web server, MySQL and Zend Framework.

## ACADEMIC PROJECTS

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**Smart RC car**, Software engineering + Electronics

- Modified an RC car from scratch and converted it into a smart car by mounting a display screen on top of it that calculated the wind speed and velocity of the car and displayed it on screen.
- Technology used – C++ Hardware used - Arduino board, RC Car, screen display

**Hand Gesture Recognition using Computer Vision**, Bachelor Thesis stage 1

- Developed, modified and implemented a robust hand gesture recognizer by using the background subtraction method and also wrote a research paper on it.
- Technology used – Python, OpenCV
- Authored a research paper on the same which was accepted till the 3<sup>rd</sup> round of review and is currently being revised to get published in an international workshop.

**Playing PacMan using Hand Gestures**, Bachelor Thesis Project

- Tweaked the very famous PacMan game by using gesture recognition.
- Technology used- Tensorflow, Python, NodeJS, Web server for Chrome, HTML

### *Text to Speech Simulator*

- Built a program that reads the text from the text files in the computer. It basically functions like a customized and personal audiobook.
- Technology used – Python, gTTS

### *Light Detecting Hardware Model*

- Created a light detecting model in which the bulb glows in the dark and automatically stops glowing when exposed to light.
- Hardware used – Arduino board, light detecting sensors.

## RELATED COURSEWORK

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Data Structures, Object Oriented Programming, Algorithms Design and Analysis, Software Engineering, Compiler Design, Web Technology, Computer Organization and Architecture, Java Programming, Operating Systems, Cryptography and Network Security, Advanced Computer Networks, Information Theory and Coding, Wireless Communication Advanced Database Administration, Theory of Computation

## TECHNICAL SKILLS

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- **Programming Languages** : Java, C/C++, Python, OpenCV
- **Data Science** : Scikit-learn, MySQL, Tableau
- **Internet Design** : HTML5, CSS3, PHP, NodeJS
- **Other technologies** : Excel(Adv), GoogleAPI, PostMan

## ACHIEVEMENTS, RESPONSIBILITIES AND WORKSHOPS ATTENDED

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- Was one of the **5 candidates** out of a batch of 140 students who were shortlisted by the **Head of Department, IT** for the Best Student Award of the batch of 2015-2019 for the department.
- **Headed** the **editorial and documentation** team of TEDxBVCOE and **hosted** the first ever TEDx event of my college.
- Attended a workshop on Dynamic Programming by CodingNinjas.
- Bagged the **third position** at a hackathon at Christ University Faculty of Engineering, Bangalore. of IT.

## LANGUAGES AND HOBBIES

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- **English** (native), **Hindi** (native), **Spanish** (Beginner), **Punjabi** (Intermediate)
- Grade 2 level guitarist and amateur painter.