CHANDIGARH GROUP OF COLLEGES
Campus : Landran, Mohali

Apoorv Negi

462/3, Solanipuram, Roorkee - 247667
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EDUCATIONAL QUALIFICATIONS

Year	Degree	School/Institute	Board/University	%age /CGPA
2021	B.Tech-C.S.E	Chandigarh Engineering College, Landran	I.K.G. Punjab Technical University	8.26
2017	10+2	Army Public School No-2, Roorkee	CBSE	80.2%
2015	Matric	Army Public School No-2, Roorkee	CBSE	9.4(CGPA)

ACADEMIC ACHIEVEMENTS

- **Winner** at the "Smart India Hackathon-2019" (Hardware Edition).
- **Winner** in "Project Display-by Expertshub Industry Skill Development Center (Sonipat).
- **Winner** in "Project Display-by Expertshub Industry Skill Development Center (Bangalore)
- "**BEST INTERN**" at Expertshub Industry Skill Development Center (ML-AI Winter).
- "**BEST INTERN**" at Expertshub Industry Skill Development Center (IOT-Summer)
- **Invited** for National Bootcamp for business development organized by MHRD and A.I.C.T.E.
- **Selected** for National convention of Chhatra Vishwakarma Awards 2019 by A.I.C.T.E.

Patents

- 202011002721: Emotion Recognition System
- 201911047896: System for Monitoring Environmental Conditions

Certifications and Courses:

- Oracle Cloud Infrastructure Foundations 2020 Associate **(Oracle Certified Associate)**
- AWS Educate : Machine Learning Scientist
- Udemy: Machine Learning, Data Science and Deep Learning in Python
- IBM: Machine Learning with Python (Cognitive Classes)
- Coursera: Introduction to Data Science (University of Michigan)
- Coursera: Applied Machine Learning with Python (University of Michigan)

ORACLE Certified Associate

SOFTWARE COMPETENCIES

Operating Systems	:	Windows, Linux
Languages known	:	C++, Python, HTML
Database(s) known	:	MySQL
Other Interests	:	Internet of Things, Machine Learning

PROJECTS UNDERTAKEN

1. Project Name: PEDESTRIAN SAFETY DEVICE IN AUTOMOBILES		
Environment	:	Ubuntu, Windows10, Nvidia Jetson Platform
Languages/Database	:	C++, Python
Team Size	:	6
Project Description	:	• Developed this under the problem statement provided by MAHINDRA & MAHINDRA for SIH-2019 and were declared as WINNER. • It is designed keeping in mind the safety of pedestrian on the road. • After pedestrian detection it is capable of taking certain evasive measures such as Automatic Emergency Braking System (AEBS).
Project Role	:	• Team Leader • Machine Learning Detection and hardware interfacing.

2. Project Name: HUMAN EMOTION RECOGNITION BASED FEEDBACK SYSTEM		
Environment	:	Windows 10
Language	:	Python
Team Size	:	4
Project Description	:	• Ditching the conventional techniques used for feedback collection and management I collaborated with students from **University College Leuven-Limburg** and **Howest Brugge** to create a system that produces a feedback report. • It works on the basis of subject's emotions and is currently filed for a patent. • Subject's emotions are recorded and then the feedback report is generated.
Project Role	:	• Project Co-Ordinator • Front end development and Model Inferencing

3. Project Name: INNUVA: SMART IRRIGATION ASSISTANCE SYSTEM		
Environment	:	Arduino Microcontrollers, Embedded on ESP8266 NodeMCU
Language	:	C++ and Internet-of-Things
Team Size	:	5
Project Description	:	• Wireless irrigation system control for farmers. • A handheld console is provided for the farmers in order to receive live updates from the fields regarding the soil moisture and nutrient content • The farmer, on the basis of these updates can control his irrigation pumps wirelessly up-to a distance of 2 kilometres.
Project Role	:	• Team Leader • Cloud Integration and networking

4. Project Name: ParkAssist - Parking Management System		
Environment	:	Python Tkinter GUI, MySQL Database, Windows
Language	:	Python, MySQL
Team Size		Individual
Project Description	:	• Parking management and bill generation system built as a commercial solution for Municipal Corporation of Rishikesh. • Implemented at I.S.B.T. Rishikesh. • Uses backend database to manage the vehicle parking data entered using GUI and dynamically calculates bill amount depending upon the time spent in parking. • Integration with EPSON printer module assists in printing bills using a thermal printer
Project Role	:	Developer

EXPERIENTIAL LEARNING / INDUSTRIAL TRAINING

- **Organization:** ThinkNext Technologies Private Limted
- **Project Details: Face recognition system using python.**
- **Duration : 6 Weeks**
- **Experiential Learning:**
  - Learnt basic usage of python and introduction to frameworks like Django.
  - Learnt about face_recognition library.

- **Organization:** ExpertsHub Industry Skill Development Center (Sonipat)
- **Project Details: EmoGing**
- **Duration : 8 Days**
- **Experiential Learning:**
  - Studied Python and Machine Learning.

- **Organization:** ExpertsHub Industry Skill Development Center(Bangalore)
- **Project Details: CityMAX Air and Noise Pollution reporting system**
- **Duration : 8 Days**
- **Experiential Learning:**
  - Studied Internet-of-Things.
  - Got to know about air and noise pollution of different cities.

INTERPERSONAL SKILLS

- Experience of working in roles of Leadership.
- Ability to communicate with people in a confident way.
- Ability to work under pressure, displaying a calm attitude towards a problem.
- Good presentation skills.
- Ability to work in a team and set up trust.

EXTRA-CURRICULAR ACTIVITIES

- Actively mentored projects in the college. (2019-2020)
- Coordinator at the SIH - Feedback Session at our college. (2019)
- Third position in “Exuberance” organized by American Chemical Society. (2017)
- Co-Ordinator at International BusIT week 2019.
- Co-Ordinator at International BusIT week 2020.

HOBBIES/INTERESTS

- Hardware Tinkering
- Travelling
- Photography

PERSONAL INFORMATION

Date of Birth : 26 June 1999

Gender /Marital Status: Male /Unmarried

Language Proficiency: English, Hindi

DECLARATION

*I do hereby declare that the above information is true to the best of my knowledge***.**

_____*(Signature)*

Name: Apoorv Negi

Date: 10-May-2021

Place: Roorkee, Uttarakhand