Vivek Arora

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Austin, Texas

EDUCATION

- **B.E. Computer Science, CGPA: 7.65/10**
  BITS Pilani K.K. Birla Goa Campus
  June 2022

- **TSBIE Class XII, Percentage: 97.1/100**
  August 2018

- **CBSE Class X, CGPA: 10/10**
  August 2016

EXPERIENCE

- **BITS Pilani, K.K. Birla Goa Campus**
  Teaching Assistant (Database Systems) - Goa, India
  Prepared relevant course materials for Lab Sessions. Lead Hands On Code Sessions on MySQL.
  Jan 2021 - May 2021

- **AlmaConnect**
  Product Intern - New Delhi, India
  Implementor of a personalized user invite system for AlmaConnect to boost new sign ups by 80 percent. Lead the design of "status" feature on the Jobs Portal.
  May 2020 - July 2020

VOLUNTEER EXPERIENCE

- **Abhigyaan**
  Web Developer - Goa, India
  Worked as Full Stack Developer to create and maintain the website for a Non Profit with the mission "Education for All"
  May 2019 - July 2019

- **Code Made Fun**
  Instructor - Goa, India
  Taught students to multiple programming paradigms, object oriented concepts and functional programming using the language Python.
  Jan 2019 - May 2019

SKILLS

- **Technologies**
  Python, C++, Java, C, MySQL, HTML, CSS, JavaScript, GIT

- **Patterns & Practices**
  Object Oriented Programming, Functional Programming, CI & CD

- **Project Management**
  Agile, Scrum

PROJECTS

- **Voice Based Emotion Recognition System** [github]
  A system that could predict emotion of user based on speech. This can be further complemented with EEG data. This project is being done in collaboration with a lab on campus
  Python

- **Intruder Alert System** [github]
  A simple python script that monitors activity at a location. If it crosses a set threshold limit then it rings an alarm, gives a phone call to the owner notifying them and captures an image of the intruder.
  Python,OpenCV

- **15 Puzzle Problem Solver** [github]
  Program that solves the famous 15 puzzle with an optimal solution using A* search algorithm
  Python, NumPy

- **Wumpus World Agent** [github]
  Agent that can successfully exit a Wumpus World with gold avoiding pits and Wumpus using DPLL Algorithm
  Python, NumPy

- **Distributed Computing**
  Research-based project on optimizing Distributed Computing Systems with a major focus on Concurrency Theory and Threading
  Java, Scala