Khushal Vyas

Software Developer | website | vyas.khushal1999@gmail.com | +91-9079996453

EDUCATION

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY
B.Tech in Information Technology
Expected, May 2021 | Noida, India
Cumulative GPA: 7.7 / 10.0

LINKS

LeetCode:// **codekhal**
LinkedIn:// **khushal-vyas**
GitHub:// **codekhal**

COURSEWORK

- Data Structures and Algorithms
- Operating Systems
- Database Management System
- Object-Oriented Programming
- Data Scientist with Python Track; DataCamp **(certificate)**
- Learn ML By Building Projects; Eduonix **(certificate)**

SKILLS

PROFICIENT
- C / C++
- SQL
- Python
- Scikit-Learn

PRIOR EXPERIENCE
- NLP
- JavaScript
- Node.Js
- DS/Algo

TOOLS
- GitHub
- Git
- Linux
- Markdown

INTERESTS

- Hackathons
- Open Source Communities
- Talking on recent technologies like ML, AI
- Solving Algorithmic Problems
- Event Management
- Zeal to Learn

ROLES

- Organizer, PyData Delhi
- Open Source Developers' Community(OSDC), JIIT Noida

EXPERIENCE

THE DEXTERITY GLOBAL GROUP | Research Intern
May 2020 - July 2020

- Helped increase the accessibility of the ongoing projects of the organisation by building a rule-based conversational bot using NLTK along with Tkinter for GUI toolkit and other Python Libraries.
- Deployed it on telegram, messenger and other social media platforms.

PYDATA DELHI | Web Developer
May 2019 - August 2019 | Delhi, India

- Developed a website for **PyData Delhi Conference 2019** which had received around 1000+ impressions for registration and payments.
- Was also responsible for handling speaker sessions and co-organizing Conference on 3rd and 4th August 2019.

PROJECTS

AUTON | Autonomous Bot for fetching data from QR Codes
SEP 2019 – DEC 2019

- Made a Self Driving Bot using Raspberry Pi, OpenCV and UNO for real-time frame detection and text decoding in Barcodes and QR codes.
- Used OpenCV and packages like pyzbar for fetching data from QR Codes.
- Our bot acted as a helping hand for faculties in transferring files from one cabin to another and to streamline their daily routine tasks.

INSHORTS SENTIMENT ANALYSIS | NLP
JAN 2020 – Mar 2020

- Leveraged the power of Requests and Beautiful Soup libraries to retrieve Corpus of News articles from Inshorts and followed Standard NLP Workflow.
- Analysed sentiments of news articles from various categories and plotted them against positive, negative and neutral sentiment.

GREETIFY | CROSS PLATFORM ENTRY MANAGEMENT SYSTEM
NOV 2019 – DEC 2019

- A desktop app build on top of Electron, used Firebase for Database handling and User Authentication. Used Nodemailer and Nexmo API for Setting up mailing and messaging system respectively.

SHOPPING CART | Enhancing UX at Retail Stores using AR
OCT 2019 – Nov 2019

- App with features like Geofencing and AR payments for better UX and to avoid long queues at retail stores.
- used collaborative filtering technique to make a personalised recommendation system for better user interaction at shopping stores.

ACADEMIC RESEARCH

SECURING DRONE COMMUNICATION USING AI

- Background Survey dealing with various security issues faced by UAVs.

FOG COMPUTING FOR IOT AND APPLICATIONS

- Fog Computing reducing delay in latency-sensitive applications.