

Khush Upadhyay

+1 682-414-2809

Email: kxu8988@mavs.uta.edu

Education

B. E. in Computer Engineering Leelaben Dashrathbhai Ramdas Patel Institute of Technology And Research, Gandhinagar CPI : 7.07	2015-2019
HSC - Nirman High School (Vastrapur) Percentage: 73.07%	2014-2015
HSC - Nirman High School (Panchwati) Percentage: 71.33%	2012-2013

Academic Projects

Sr. No.	Project Name	Language Used	Project Description
1	Source Code Generation	MYSQL, Java MVC Spring Framework	This system has two panels: admin and staff. Number of projects and modules are managed by the admin and are assigned to staff. Staff can provide the format of the module and can get source code files.
2	Data Encryption And Reliability	Java	File read from cloud or file system then encrypted and separated into many parts and decoded the data from any of the pieces
3	Smart Traffic Governance	Python, Flask, SQL, Numpy, Matplotlib	It includes image processing, data collection on signals and signal timer alteration according to the traffic in lane. It also includes a Machine Learning module for learning from past experience and performing accordingly. Also a Google Assistant skill for users is deployed.

Publications

Optimization of Smart Traffic Governance System Using Artificial Intelligence Khush Upadhyay, Meghashree Gundeti, Aayush Sukhadia, Smit Shah

A brief overview related to the need of automation in the Traffic System and its implementation using ML and AI. The paper concludes with a proposed traffic system which uses Artificial Intelligence to determine the flow of traffic, automated enforcement, and communication to change the face of traffic scenarios. Augmented Human Research - Journal of Springer Publications [**Accepted**]

Technical Skills

Languages: Python, Flask, Django, HTML, CSS, Data Analytics (Pandas, Numpy, Matplotlib)

Database: MySQL

IDE: PyCharm, Eclipse

Web Services: Amazon Web Services (RDS, Lambda, S3, Alexa)

Experience

Softvan Technologies

April 2019 - November 2020.

Having experience working on Python with Flask web framework while being on different projects and also having an experience developing Alexa skills with Amazon Web Services.

Internship/Certificates

- Did an internship on HTML, CSS and Bootstrap at **The Sparks Foundation** for 4 months. (March-2018 to June-2018)
- Worked as an intern at **Passion Infotech Private Ltd.** for 4 months on different Software Development projects based on Data Science, AI and Python. (July-2018 to October-2018)

- Worked at **Softvan Technologies** as a data science intern on projects of Artificial Intelligence, Machine learning, Deep Learning, Computer Vision. (January-2019 to March-2019)
- Certificate for completion of Complete Machine Learning course with Python provided by Udemy. (November-2019)

Achievements and Extracurricular Activities

- Participated and attained second position in Ahmedabad city in Trinity Grade 1 Piano Practical Examination held by Trinity School London even completed Trinity Grade 5 Piano Practical Examination in June 2019.
- Participated in many Music events and was always a stage performer in Music playing Piano.
- **Volunteered** and **participated** in various Technical and Cultural events in college such as Quizzes, Blood Donation Camp, etc.
- **Coordinated** events in Xenesis 2018 and Xenesis 2017 which are technical festivals of our college.