

# ASHUTOSH BASHYAL

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[LinkedIn](#) | [Github](#) | [LeetCode](#) | [Twitter](#) | [MonkeyType](#)

## EDUCATION

### Vellore Institute of Technology, Vellore

B. Tech. Computer Science and Engineering CGPA: 8.80/10

Dec 2020 - Jul 2024

Vellore, India

### Prasadi Academy, Lalitpur [Class XII]

Mathematics Major CGPA: 3.64/4

Jul 2018 - Jun 2019

Lalitpur, Nepal

### N.K. Singh Memorial EPS School, Kathmandu [Class X]

Computer Major CGPA: 3.65/4

Apr 2012 - Mar 2018

Kathmandu, Nepal

## SKILLS

**Programming Languages:** Python, C/C++, Java, JavaScript, Go, PHP, HTML/CSS, TypeScript

**Frameworks & Libraries:** ReactJS, NodeJS, Django, OpenCV, Matplotlib, Scipy, Hashlib

**Developer Tools:** Git, Github, Linux, Windows, VS-Code, Selenium, VIM, Docker

**Databases & Cloud:** SQL, MySQL, NoSQL, MongoDB

**Languages:** English, German, Nepalese, Hindi

**Others:** Football, Basketball, Debate, Project Management

## PROJECTS

### Database Encryption using Facial Recognition | Python: OpenCV, Numpy, Secrets, Pickle, Pyzipmini, Hashlib

- Led the development of a facial encoding-based encryption algorithm that uses facial encodings and user input to create a secure encryption key.
- The encryption key is then used to encrypt the files, significantly improving user security and satisfaction by making it more difficult for unauthorized users to access sensitive data.

### Social Distancing Detection | Python: Numpy, Scipy, imutils, OpenCV, ArgParse

- Developed an innovative system utilizing computer vision and deep learning to detect social distancing compliance in real-time.
- Implemented advanced algorithms to analyze video streams and provide instant notifications when individuals violate social distancing guidelines, contributing to public health and safety.

### VIT One - University Home | HTML, CSS, Bootstrap, PHP, JavaScript

- Developed a comprehensive Student Management System with a versatile set of features tailored for both freshers and Ph.D. candidates.
- Designed an intuitive user interface facilitating easy student enrollment, course registration, and academic progress tracking for freshers, while also integrating advanced research management tools for Ph.D. scholars.

## AWARDS

### Merit Certificate

- Awarded Merit Scholarship for the Outstanding Performance in academics.

VIT University

2021

### Compex Scholarship

- Awarded with Scholarship to study B.Tech. in India fully funded by EdCil.

Embassy of India for Nepal

2020

## CERTIFICATIONS

### SC-900: Security, Compliance, and Identity Fundamentals

- Awarded Merit Scholarship for the Outstanding Performance.

Microsoft

2023