

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