

## SUMMARY

---

- Enthusiastic and motivated graduate student of Information Technology seeking to pursue a career in software development.
- Proficient in Python, Java, JavaScript, C++, HTML, CSS, MySQL, Visual Studio, Android Studio etc.
- Strong written and oral communication and presentation skills including the ability to communicate between technical and non-technical personnel.
- Ability to create documentation of project development and test cases.
- Good team player who can co-operate with project managers and colleagues.
- Able to think outside the box, and has strong analytical and critical thinking skills
- Strong object-oriented programming knowledgeable to learn new languages and APIs quickly.
- Basic knowledge in unit/automated testing.
- Good communication skills and ability to work independently
- Good understanding of technical terminologies.

## TECHNICAL SKILLS

---

✓ Python	✓ Java	✓ Visual Studio
✓ Android Studio	✓ C / C++	✓ MySQL
✓ HTML/CSS	✓ MS Visio	✓ Microsoft Office
✓ Debugging	✓ Ubuntu	✓ Mongo dB
✓ Hadoop	✓ Oracle	✓ REST API
✓ CUDA	✓ JavaScript	✓ Express
✓ Moment.js	✓ Fetch / Ajax	✓ Heroku
✓ Bootstrap	✓ Unit Testing/Jest	✓ Git/GitHub
✓ Node.js	✓ Server side API	✓ Third party API
	✓ ES6	✓ Relational Database
		✓ jQuery

## EDUCATION QUALIFICATION

---

<b>Coding Bootcamp</b> – UC Berkeley Extension	2022 SEP - DEC 2022	
<b>BIT (Bachelor of Information Technology)</b> - Herald College, University of Wolverhampton		2017-
		2021
<b>High School</b> – Kathmandu Bernhardt Secondary School		2015 -
		2017

## INFORMATION TECHNOLOGY EXPERIENCE

---

**License plate detection (Final year College Project)**

This project was completed as final year project which used artificial intelligence and machine learning for the recognition of characters from the light vehicles registered in the Bagmati zone of Nepal.

- The AI model and system were developed using python programming language and Django framework.
- The front-end development was done using Html, CSS, and JavaScript.

### **High Performance Computing (College Project)**

In this project various of task was complete using CUDA.

- Applications of Password Cracking and Image Blurring using HPC-based CUDA system.
- Gaussian Blur was use for image blurring.
- Matrix Multiplication and Password Cracking was used in this project.
- Password Cracking using POSIX thread.

GitHub link: <https://github.com/akash2040/HPC>

### **Android Attendance system (College Project)**

This was an Android application developed using the Android studio and java programming language. The goal of this Project was to take the attendance of students using a mobile based UI application.

- ERD diagrams were made for completing this project
- Use-Case diagrams were made.

### **Bigdata (College Project)**

The aim of the project is to find two datasets, that are identical and work on them for further study.

- Understood the concepts of various methods and techniques like Oracle, MongoDB, and Hadoop.
- This project contains all of the details about the study, visualization, and conclusions gleaned from the tasks performed on the two datasets, namely the Crime rate in USA from 2000 and crime 2019-avon-and-somerset-street, which were in CSV and JSON formats, respectively.

### **Ecommerce website (College Project)**

Developed in Java platform, this project covers the functionalities of an Online Shopping web-application, where user can find/search/filter the required products and buy them.

- This is a web-based application running on the localhost tomcat server.
- Users can search/filter the product available within the platform.
- Admin can add/sort the new products and keep track of product inventory and transactions.

### **Bike Booking System (College project)**

The scope of this project was to create a platform where user can request a bike (Motorcycle) servicing and pay bills online.

- The web application is built in Java platform, using the maven build tool following the MVC architect.
- User can make an appointment, pay bill, and leave feedback, all online.
- At back end, we used MYSQL.
- Used tomcat server to deploy and run the application.

GitHub [<https://github.com/akash2040>]

Portfolio [<https://akash2040.github.io/portfolio-akash/>]