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# Sachin Gautam

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## OBJECTIVE

A motivated individual seeking to upskill in AI and Data Science. Looking to leverage the expertise gained to pursue a promising career in the field of AI.

## EDUCATION

**Kantipur City College, Putalisadak** - *Bachelors in Information Technology*

(Currently running 3rd year/6th semester)

**Trinity International College, Dillibazar** - *High School (+2 Science)*

**Nepal Police School, Sanga** - *School (SEE)*

## RELEVANT COURSEWORK

- Programming in JAVA, C, C++
- IoT with Raspberry Pi and Python
- Probability and Statistics
- Numerical Methods
- Engineering Mathematics
- Data Structure and Algorithm

## SKILLS

- Proficient in multiple programming and object-oriented design principles
- Experienced in Python and knowledge about OpenCV and Mediapipe
- Proficient in linear algebra, probability, statistics, and basic calculus
- Proficient in programming and computer science concepts
- Experience using IDE and version control systems
- Excellent problem-solving and critical thinking skills
- Excellent verbal and written communication skills
- Ability to work effectively in a team

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## Certifications

### **Certificate in Programming for Everybody (Getting Started with Python) ,**

Charles Severance, University of Michigan, 2020

Certificate URL:

<https://coursera.org/share/f88e6a417701092b95ff2bf4a00521a8>

## Projects

- **Vision Guardian Commander:** Surveillance system with integrated face detection using JavaCV(used as wrapper for OpenCV).  
GitHub repository:  
[sachin-gautam/VisionGuardianCommander \(github.com\)](https://github.com/sachin-gautam/VisionGuardianCommander)
- **Self Navigation Rover:** Hardware project using 8051 microcontroller and GPS module.  
GitHub repository:  
[sachin-gautam/self-navigating-rover: 8051 microcontroller project \(github.com\)](https://github.com/sachin-gautam/self-navigating-rover-8051-microcontroller-project)
- **C++ Rogue:** Rogue-like game made using C++ and SFML library for C++.  
GitHub repository:  
[sachin-gautam/cpp-rogue: C++ Rogue a simple roguelike game \(github.com\)](https://github.com/sachin-gautam/cpp-rogue)