

# Aayam Regmi

Spring boot intern, ML learner

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 @ Aayam Regmi  @ AayamRegmi  <https://aayamregmi.com.np/>

Background in AI/ML, databases, Fullstack development using java and javascript with passion in programming

## EXPERIENCE

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### fullstack internship

Kathmandu

*Professional Computer Systems pvt ltd*

Nov, 2024 - Mar, 2025

Full stack internship, learning and managing projects using Spring MVC, Spring Boot, Spring Security, Postgresql and ReactJS

## EDUCATION

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### Bachelors

Kathmandu

*The British College*

Oct, 2022 - Present

Bachelors (hons) in Computer Science with database specialization

### A levels

Kathmandu

*Trinity International College*

Sep, 2020 - May, 2022

Science faculty with computer science. GPA : 3.0

### SEE

Kathmandu

*Galaxy Public School*

Apr, 2012 - Apr, 2020

GPA : 3.40

## PROJECTS

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### Tree tracking and deforestation prevention using gps and barcodes

A student exchange program 2025 project between The British College and Leeds Beckett University with a team of 4 people consisting of tracking a tree's gps coordinates and a barcode tracking using raspberry pi integrated using python, database using oracle apex and frontend website made using react. Project made in 3 days

- Using gps module to track current location of tree
- Saving the tree data to the database
- Using camera as barcode reader to identify the trees
- Displaying the necessary details on a webpage with search features, map and barcode

<https://github.com/AayamRegmi/Tree-Barcode-Tracking.git>

### Todo app using SpringBoot and react framework

Internship project of Professional Computer Systems made using SpringBoot backend and react frontend

- Full Crud Operations using REST API
- Postgresql configured
- Security maintained using JWT tokens and user login stored using password encryption
- frontend using ReactJS

<https://github.com/AayamRegmi/Task-Manager-Todo>

### Crime Database System using pl/sql in Oracle Apex

group project made using oracle apex workspace using pl/sql, with EERD and report.

- full CRUD operations
- security maintained
- User friendly ui and customization

<https://github.com/AayamRegmi/Crime-database-system>

## Event Management System using DJANGO and REST

Backend made using Django

- full CRUD operations on event, vendors, tickets, managers with REST
- Roles for accounts such as admin, EventPlanners, Vendors and Clients

[https://github.com/AayamRegmi/EventMS\\_DJANGO](https://github.com/AayamRegmi/EventMS_DJANGO)

## Food Recipe management system using DJANGO

Simple food recipe backend using Django and rest with CRUD operations

[https://github.com/AayamRegmi/RecipePage\\_Django](https://github.com/AayamRegmi/RecipePage_Django)

## Data processing and visualization using python libraries

Processed given data problems and picture data using python libraries numpy, pandas and matplotlib

<https://github.com/AayamRegmi/Datascience-image>

## Bank Account System using C++

Basic CLI banking system using C++ able to create delete accounts, deposit withdraw balances and savings checkings account features

<https://github.com/AayamRegmi/BankingSystem>

## Travel Website Sample, HTML, CSS, Javascript

Static Travel Website Template design using HTML CSS JAVASCRIPT

<https://github.com/AayamRegmi/itassessement2023>

## ACHIEVEMENTS

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### Selected and winning team for International student exchange program

Selected and winning team for the student exchange program out of 200 students for the partnership project between The British College and Leeds Beckett University.

## TRAINING/CERTIFICATIONS

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### Supervised Machine Learning : Regression and Classification

2024

*Stanford Online, DeepLearning, Coursera*

Logistic regression, Classification regression implementation using Sci-kit learn

### Advanced learning Algorithms

2024

*Stanford Online, DeepLearning, Coursera*

Neural networks and its implementation using TensorFlow library and jupyter notebook.

### Unsupervised Learning, Recommenders, Reinforcement Learning

2024

*Stanford Online, DeepLearning, Coursera*

k-means clustering, anomaly detection, recommenders and reinforcement learning using various python ML library

### Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

2025

*Stanford Online, DeepLearning, Coursera*

### Python with DJANGO

2024

*Mindrisers Institute of Technology*

Backend and API development using DJANGO and Rest Framework

### MERN STACK

2024

*The British College*

Frontend and Backend development using React and Node js with database deployment using MongoDB

## SKILLS

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ML libraries: Tensorflow, Sci-kit, Pytorch, Py libraries: Numpy, Pandas, Matplotlib, PL/SQL, Java Springboot, React with Node js, Git, Django, Rest framework

## LANGUAGE

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Nepali, English