

Rohan Bade

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Education

Pulchowk Campus, I.O.E.

Bachelors in Electronics, Communication and Information Technology Engineering

Expected April 2025

Pulchowk, Lalitpur

- **Relevant Coursework:** Data Structures and Algorithms, Probability & Statistics, DBMS, Numerical Methods, Computer Graphics

Experience

The British School

Coding Instructor

May 2024 – Currently

Lalitpur

- Scratch and Python Programming.

Projects

Chess Engine | *SDL, C, python*

- Implemented Minimax Algorithm with Alpha-Beta pruning.
- Well functioning Recursive Algorithm with smooth performance up to Depth 7.
- Testing using Python package.

Minecraft | *OpenGL*

- Implemented Math utilities for the game.
- Perspective implementation on Euler Angles (Roll, Pitch, Yaw).

Number Recognizer | *Python Imaging Library (PIL), pygame, numpy, pandas, scipy on python*

- Neural Network Implementation from Scratch.
- User Interface implementation using pygame.
- Use of MNIST dataset for training purposes.

Technical Skills

Languages: Python, Javascript, C, C++, Rust, HTML, CSS

Technologies: Django, Keras, Bootstrap, TailwindCSS

Concepts: Compiler, Interpreter, Operating System, Artificial Intelligence, Machine Learning, Neural Networks, API

Achievements

- 3rd Position in the 25th SET EXHIBITION 2019, St. Xavier's College.

Social Engagements

Secretary: Engineering Students' Group of Bhaktapur, Pulchowk Campus

Secretary : Pulchowkians' Fitness Hub, Pulchowk Campus