Dipesh Dhungana

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EDUCATION

Advanced College of Engineering and Management **Kalanki, Kathmandu**

Bachelors in computer engineering *Expected Graduation, May 2025*

- **Concentrations:** Intelligence and Modeling/Simulations
- **Current Education Level:** 8th Semester (4th Year)
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

Academic Work **Advanced College of Engineering and Management**

Jan 2021 - Present

- Demonstrated proficiency in C programming through successful completion of academic projects, showcasing ability to manipulate data and solve computational challenges.
- Acquired solid foundation in object-oriented programming principles through coursework in C++, with practical experience in algorithm optimization and data structure implementation.
- Developed strong database management skills by mastering MySQL, enabling efficient querying and organization of extensive datasets.

Minor Project on PLAY-E **Advanced College of Engineering and Management**

Research Assistant *Dec 2023 – March 2024*

- Utilized Python and its library to develop the prediction system for PLAY-E
- Developed the front-end design for the web page of PLAY-E

Major Project on Medicine Recommendation System **Advanced College of Engineering and Management**

Research Assistant *Aug 2024 – March 2025(expected finish)*

- Utilized Python and its library to develop the prediction system for Medivise
- Developed the front-end design for the web page of Medivise

PROJECTS

PUBG PC KD Prediction System **Advanced College of Engineering and Management**

Team Lead *Dec 2023 – March 2024*

- Trained mathematical models to predict KD (Kill to Death Ratio) of PUBG PC users/players using Linear Regression Time Series algorithms (Random Forest Regressor)
- Obtained a prediction accuracy of 95.02%

Medicine Recommendation System (currently working) **Advanced College of Engineering and Management**

Research Assistant Aug 2024 – March 2025 *(expected finish)*

- Utilized Python and its library to develop the prediction system for Medivise
- Developed the front-end design for the web page of Medivise

ACTIVITIES AND LEADERSHIP

Minor Project on PLAY-E **Advanced College of Engineering and Management**

Research Assistant *Dec 2023 – March 2024*

Major Project on Medicine Recommendation System **Advanced College of Engineering and Management**

Data Analyst *Aug 2024 – March 2025 (expected finish)*

SKILLS

Programming (Basics): Python, HTML/CSS, SQL, MATLAB, C++, C Programming

Tools (Basics): Jupyter Notebooks, GitHub, Cloud Computing