

# Prem Rokaya

Software Engineer – Data Analyst- AI Enthusiast

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## Education

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### MS in Data Analytics

Webster University, St. Louis, Missouri August 2024 to present

### BE in Information Technology

Cosmos College of Management and Technology, Lalitpur Nepal  
August 2018 to September 2023

- ❑ Dean's List Achiever, Obtaining a CGPA of 3.88 out of 4.00.
- ❑ Merit List achiever in every Semester out of 8.
- ❑ University Topper in BEIT department and 5<sup>th</sup> university topper among 2018 batch overall Pokhara University Students.
- ❑ Developed Skin Disease Prediction System as a major project

## Experience

### Software Developer

- ❑ Web app developer: Working as a backend developer using JAVA and dot.net frameworks.
- ❑ Vehicle Rental System: Vehicle Rental System (VRS) is a web-based system for a company that rents out vehicles. This system enables the company to make their services available to the public through the internet and keep records about them. By using PHP I was able to make my micro project during my college. I worked as a front and back-end developer.
- ❑ API development based on MVC pattern
- ❑ Strong background in Data Structure and Algorithms
- ❑ Language: HTML, CSS, PHP, JavaScript
- ❑ Background in Software Development Design and Analysis
- ❑ Day to day update of project, regular fixes, and deployment

### AI/ Data Analyst

2023 to present

- ❑ Skin Disease Prediction System: By using CNN(VGG16), Decision tree algorithm, confusion matrix etc. I was able to get the result with an accuracy of 94%.

- ☐ Libraries: NumPy, Scikit-learn, Pandas, TensorFlow, Matplotlib
- ☐ Language: Python
- ☐ Tools: Git, SQL,
- ☐ Frameworks: Django, Flask

## Ass. Lecturer

Cosmos College of Management and Technology  
 Universal Engineering and Science College  
 Citizen College  
 Patan Nist College  
 September 2023 to august 2023

- ☐ Teaching to Bachelor of engineering students: Subjects as Java, software engineering using UML, Data structure and algorithm, Computer Network, Numerical Method, PHP both practically and theoretically.
- ☐ Assisting third- and fourth-year students in their project

## Intern

Smart Solution Technology- Kamaladi Kathmandu Nepal  
 Jan 2023 to May 2023

- ☐ Working as a java as well as dot.net developer where my responsibility was to be working in the MVC pattern in the authentication as well as security purpose

## Skills

- ☐ PHP
- ☐ Java, C++
- ☐ HTML, CSS, JavaScript
- ☐ Python, R,
- ☐ SQL
- ☐ Strong knowledge in Data Structure
- ☐ Strong Theoretical knowledge on Network protocol, and all in Software designs

## Award

- ☐ Dean's List Achiever – CGPA of more than 3.70 out of 4.00
- ☐ University Topper
- ☐ Cosmos Batch Topper
- ☐ ICT Club Organizer
- ☐ Research Writing Workshop -Certificate Holder Organized by University Grants Commission, Nepal

## References:

Bishal Singh

Senior Software engineer at Notik Offerwall

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