Oshan Shrestha
Web Developer / Data Engineer

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I possess, with a background in frontend development, a unique perspective and skillset that can be applied to the challenges in the field of machine learning and data engineering. I am an avid learner and possess strong problem-solving skills, making me a perfect candidate for an internship in this area.

Professional Experiences

Frontend Developer, *BurgeonTech Pvt. Ltd.*   12.2020 – 02.2023
Dhulikhel, Nepal
- Designed and implemented user-facing interfaces that aligned with the product vision and business goals while enhancing user experience.
- Utilized modern frontend frameworks such as React and NextJS along with CSS-in-JS libraries such as Styled-Components.
- Presented deep understanding of web accessibility standards to ensure and improve accessibility for all target users of several projects.

Projects

Feature Selection for Binary Classification, *Machine Learning*   07.2022 – 09.2022
- Academic project studying the processes of feature selection for binary classification.
- Built several Artificial Neural Networks (ANNs) to test different sets of features against their efficiency and accuracy.
- Implemented feature extraction techniques such as Feature Ranking, Univariate Feature Selection, Recursive Feature Elimination.

Purlieu, *Digitization & Automation*   09.2021 – 01.2022
- An academic project to automate the cash-card top-up process in Canteen Management System in Kathmandu University.
- Incorporated e-payment gateway and online wallets integration with custom transaction verification server.
- Built a user platform for students & teachers to seamlessly update their cash cards.

Routine Management System, *Digitization & Automation*   04.2021 – 07.2021
- Academic project undertaken in a team of three Computer Science students under direct supervision of Department of Computer Science & Engineering [KU].
- We built a digital platform to automate the traditional procedures of routine and resources scheduling system in Kathmandu University.

Education

B.Sc. Computer Science, *Kathmandu University*   08.2018 – present
Dhulikhel, Nepal
- Machine Learning (ML) fundamentals and its applications in Artificial Intelligence. Data Structures, Algorithms and Complexities.
- Compiler Design, Theory of Computation and Information Security studies.
- Object Oriented & Dynamic Programming. Probability and Statistics, Differential Equations & Combinatorics and Operational Research.
- Networking & Database Design. Computer Architecture & Organisation, Operating Systems. Software Engineering & Dependability studies.

Skills

Data Engineering *(PySpark, Tensorflow, scikit-learn, Pandas, Numpy, Matplotlib, Seaborn)*

Backend Web Development *(FastAPI, ExpressJS, JWT, MongoDB, PostgreSQL, Prisma, SQLAlchemy)*

Frontend Web Development *(ReactJS, NextJS, Redux, Vite, Tailwind, Ant Design, Figma)*