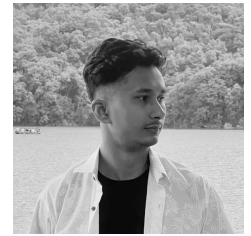


Oshan Shrestha

Web Developer / Data Engineer

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in oshan-shrestha 🌐 shresthaoshan 🖱 oshanshrestha.com.np 👤 He/Him



Profile

With a background in frontend development, I possess 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 – present
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

Backend Web Development (FastAPI, ExpressJS, GraphQL, OAuth2, MongoDB, Prisma, SQLAlchemy)

Frontend Web Development (ReactJS, NextJS, Tailwind CSS, Ant Design, Figma)

Data Science (Pandas, Numpy, Matplotlib, Seaborn, Tensorflow, sk-learn)