

SUNIL THAPA

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SUMMARY

Experienced Software Engineer with 3 years of experience at MAGDOTNET, specializing in Python. Proficient in data analysis, machine learning, and statistical modeling. Applying for the Data Science Co-op position to apply technical skills in a collaborative environment and contribute to data-driven decision-making processes.

EXPERIENCE

Software Engineer

MAGDOTNET

April 2022 - August 2022, Remote

- Led a team of 8 developers, managed workload and resources, met project deadlines, provided mentorship, and improved team performance.
- Integrated Rest API and web-hooks services on an online vehicle booking system, enhancing accessibility for clients and improving customer usage by 53%.
- Implemented a similarity-based recommendation system for an online food ordering platform, resulting in a 75% revenue increase.
- Engineered an automated deployment pipeline for Docker containers on Amazon Elastic Container Service, enhancing system scalability and reliability while decreasing response time by 16% for critical high-traffic applications.

Software Engineer

InfoDevelopers Pvt. Ltd.

June 2019 - March 2022, Sanepa, Nepal

- Designed and implemented a machine learning system that tracks inventory management for a soft-drink company with more than 96.3% accuracy.
- Developed a face-attendance system on Raspberry Pi with SVM and OpenCV, achieving 95% accuracy.
- Performed human action detection leveraging the deep neural network and open pose, identifying four behaviours.
- Utilized NLP techniques to build a chatbot for BFI's and constructed a language model for Named Entity Recognition and Multi-label classification.

EDUCATION

Ontario Graduate Certificate

Minor in Artificial Intelligence and Machine Learning • Lambton College • Toronto, ON • 2024 • 3.53 GPA

- Awarded Dean's Honours List
- Studied responsible AI development and ethical considerations
- Conducted independent research in stock market tweet collection and analysis using machine learning
- Researched optimizing recommendation algorithms for e-commerce website

BSc. (Honours) Computing

Minor in Software Engineering • University of Northampton • 2019 • 3.83 GPA

- Extensive experience in web development with HTML, CSS, Java, JavaScript
- Gained experience in software project management, including requirement analysis and project planning
- Progressed on algorithmic thinking through coursework and coding challenges
- Collaborated on group projects, enhancing teamwork and communication

SKILLS

Programming Skills: Python, Django, JavaScript

Technical Skills: TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Git, Docker, NLTK, spaCy, JSON, NLP, MS Word, Excel, PowerPoint, Data ETL Methods (Extract, Transform, Load), Agile Scrum Methodology

Database: MySQL, SQL, MongoDB

Data Visualization: Tableau, Matplotlib, Seaborn

Cloud Technology: AWS

Problem-Solving, Teamwork, Critical Thinking