Sacheen Shrestha

Data Scientist | AI Engineer | Data Analyst | ML Engineer

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👤 PROFILE

Aspiring business information systems professional with a keen interest in machine learning, artificial intelligence, and data science. Passionate about leveraging data to tackle real-world challenges and enhance efficiency, intelligence, and simplicity.

Experienced in applying theoretical knowledge through projects like full-stack web applications, AI model development, and data-driven solutions. Key projects include creating an automated trading bot using the NNFX algorithm, a movie recommendation system with NLP, and an online text summarization tool utilizing deep learning.

Proficient in Python, SQL, TensorFlow, and Scikit-learn, with hands-on experience in cloud computing platforms such as AWS and GCP.

💼 WORK EXPERIENCE

Guest Service Agent, PARKROYAL DarlingHarbour
<div align="right">Present
Sydney, Australia</div>

Guest Service Agent, Ace Hotel Sydney
<div align="right">2023 – 2024
Sydney, Australia</div>

🎓 EDUCATION AND QUALIFICATIONS

Bachelor of Business Information System, Australian Institute of Higher Education 🔗
<div align="right">2022/07 – present
Sydney, Australia</div>

📜 CERTIFICATES

IBM Professional Data Science Certificate   **Techskills IT Support Level 1**

🧠 SKILLS

Data Analysis & Science
Python, SQL, Statistical Analysis, Data Mining, Data Visualization, Machine Learning and statistical modeling

Software Engineering/Programming Language
Object-Oriented Programming(OOP), Java, Python, C++, Rust

Machine Learning & AI
TensorFlow, Deep Learning, Scikit-Learn, Predictive Modeling, Natural Language Processing, Pytorch, Keras, Computer Vision, Time Series Modeling

Version Control
Git, Github

Cloud Computing
AWS, Azure, Google Cloud Platforms, Vultr, Hyperstack

Data Visualization
Power-BI, Tabluea, Seaborn, Matplotlib, Plotly

🏅 PROJECTS

Basana Boutique, Fullstack Website using Django
Developed a fully functional e-commerce site tailored for client requirements, handling all aspects from design to deployment using Django, HTML, and CSS. Inclusion of payment gateway using Paypal and Stripe, real time Cart system. Scalable to multiple users and handling requests.

Trading Bot, Trading Bot Build on NNFX algorithm
Built a fully automated trading bot capable of executing orders based on the NNFX algorithm for forex market, utilizing Python and API integration for market analysis and building strategies.

Movie Recommender System, NLP | Machine Learning
Created a recommendation system engine using NLP techniques and collaborative filtering to provide personalized movie suggestions based on user input and nearest matched top 5 movies(based on euclidean distance between vectors).

Text_Summarization, NLP | Deep Learning Project
Developed a text summarization model finetuning the DistilBERT architecture from HugginFace for efficient text processing and conversation summarization.

Classification of Covid Chest Image X-ray, Computer Vision| Deep Learning Research
I am currently working on the covid classification based on Xray images, this helps to avoid the waiting time of PCR. Use of Convolution Neural Network/ Vision Transformer for the accurate classification.

Stock Trend Predictor, KES2025
I conducted research on stock market using 12 different machine learning classifier on 10 different stock. I was able to leverage the model to yield 1500% return in 3 years outshining the market of 500% return over 3 years.

🌐 LANGUAGES

- English
- Nepali
- Hindi