Aayaan Gautam

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EDUCATION

- **Bhaktapur Multiple Campus** — Bhaktapur, Nepal
  Bachelor of Science in Computer Science and Information Technology — *July 2018 - June 2023*

EXPERIENCE

- **Junior Software Engineer**
  QuickFox Consulting — *jan 2024 - present*
  - **LLM**: Using MIStral Db, llamaindex, FastAPI, and a Postgres database, build a private GPT-based document understanding system
  - **Software Bot**: RTGS-checker/maker: NMB Bank, NPS-Reconciliation: Nepal Payment Solution,CIB-Screening,CCMS,Creadit Card Payement,Core Banking System: Prime Bank -Perform ETL operation on Bot

- **Associate Software Engineer**
  QuickFox Consulting — *june 2023 - dec 2023*
  - **Elastic Stack**: Demonstrated proficiency in leveraging the Elastic Stack, including Kibana, Logstash, and Elasticsearch, to analyze and visualize large datasets, enhancing data-driven decision-making capabilities
  - **RPA**: Acquired expertise in Robotic Process Automation (RPA) utilizing the Selenium library, demonstrating proficiency in automating repetitive tasks and streamlining workflows to enhance operational efficiency.
  - **NER**: Applied advanced technologies including OCR for information extraction from citizenship documents, developed a Computer Vision Named Entity Recognition system, integrated APIs, LLM, and utilized generative AI to enhance data processing and analysis capabilities.
  - **Tabula**: Worked on AI models to detect tables in financial documents

- **Software Engineering Intern**
  QuickFox Consulting — *april 2023 - june 2023*
  - **Learn Robotic Process Automation**: Worked on Selelnium Library with the Robot Framework
  - **Computer Vision and OCR**: Learned about Computer Vision algorithms and also developed Nepali Sign Language Detection as a paid project
  - **Algorithm**: Understand and implements ML algorithms like Linear Regression, Decision Tree and Random Forest etc
  - **Python and Data Analysis Libraries**: Learned about Python,NLTK (Natural Language Toolkit), Numpy, Pandas,Matplotlib,Seaborn, TensorFlow, PyTorch

PROJECTS

- **Citizenship Automation —Python3, Spacy, OCR, CV**: Used Name Entity Recognization to automate citizenship, Pytesseract OCR tool is used to convert the image to text

- **Book Recommendation —Python3, NumPy, Pandas, Scikit-Learn**: Recommend book using collaborative filtering,used Cosine Similarity Algorithm from sklearn,Used kaggle Datasets

- **Heart Diseases Prediction —Python3, NumPy, Pandas, Scikit-Learn**: Heart diseases are predicted in two ways i.e with the tabular data as well as x-ray images .Random Forest and Decision Tree algorithm are used

- **E-MovieTicket —C#, dotnetcore MVC, MYSQL, SSMS**: Built E-commerce project on E-Movie ticket by using Entity Framework (EF) Core in dotnet

PRESENTATION

- **Workshop on Artificial Intelligence and Machine learning**
  Bhaktapur Multiple Campus, Bhaktapur, Nepal   *1st - 4th July, 2023*
    - **Python and Data Analysis Libraries**: Presented on the basics of Python, including NumPy, Pandas, and Matplotlib, as well as some classification and regression algorithms.
    - **Facilitated Comprehensive Workshop on Linear Algebra, Statistics, and Probability**: Led a cohort of over 80 participants through foundational concepts and practical applications, culminating in the implementation of a Classification and Regression Project

SKILLS

- **Programming Languages**: Python, C/C++,C#,Java
- **Machine Learning**: Scikit, NLTK, SpaCy, TensorFlow, Keras, Pytorch
- **Backend**: Django, Flask, Streamlit
- **Frontend**: HTML, CSS, ReactJS, Bootstrap
- **Database**: MySQL, SQLite,
- **Deployment**: Docker,Azure App Service
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management
- **Languages**: English, Nepali, Hindi

TRAINING AND CERTIFICATION

- **Python and Data Science**: -DeerWalk Institute
- **Introduction to Data Engineer** : -coursera
- **Introduction to Relational Database(RDBMS)** : -coursera
- **Python Project for Data Engineering** : -coursera
- **Relational Database Administration(DBA)** : -coursera
- **ETL and Datapipelines with Shell, Airflow and Kafka** : -coursera
- **Master Python Numpy and Pandas** : -Udemy
- **Python for Data Analyst** : -Udemy

ACTIVITIES

- **Lead Quickfox Consulting in ICTAward2023**: -Thapa Banquet
- **Participated in GritFeatAIHackathoon at locus**: -Pulchok Campus
- **Member of Computer Association Nepal**: -sindhupalchowk