

Aaditya Chapagain

Machine Learning
Developer

Contact

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Technical Profile

- Python
- FastAPI , Flask , Django
- Machine Learning | Deep Learning
- Tensorflow, Pytorch, Huggingface
- Reactjs, Nextjs
- Golang
- Rust
- HTML , CSS, JS
- MySQL, Bigquery, DynamoDB, MongoDB
- Docker, CI , CD , Github actions

Machine Learning Engineer skilled in Natural Language Processing with 3 years of experience creating machine learning models and retraining systems and transforming data science prototypes to production-grade solutions. Consistently employs statistical methods and designs to yield real gains from model changes. Analytical, client-focused, detail-oriented, problem-solving professional with strong technical skills and the ability to grasp the concept very quickly.

Work History

2022-07 -

Current

Software Developer

Webtec Solutions, Canberra, ACT

- Participated in architecture, design and implementation of front-end and back-end features using Reactjs, Nextjs , Python and Golang .
- Updated old code bases to modern development standards, improving functionality.
- Designed reusable and reliable code for use within distributed cloud environments.
- Architected data engineering pipelines to support machine learning performance.
- Designed customized solutions for proposals to potential customers.
- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability and performance.

2019-04 -

2022-05

Machine Learning Engineer

Fusemachines, Kathmandu, Nepal

- Prototyped machine learning applications and quickly determined application viability
- Implemented and evaluated artificial intelligence and machine learning algorithms and neural networks for diverse industries
- Researched, designed and implemented machine learning applications to solve business problems affecting hundred of thousands of users
- Develop NLP solutions and overall system architecture for Chatbots, intent and Entity classification , Recommendation system, Semantic

- JIRA, git

Competencies

JS, Python, HTML, CSS,
Golang, AJAX, reactjs, Flask,
Docker, rust

Good

Google Drive API, Selenium,
Js, Regular Expression, JSON

Average

NLP, Transformers,
Huggingface, Pytorch,
Keras, FastAI

Very Good

MySQL , MongoDB, BigQuery

Very Good

AWS : EC2, S3 bucket,
datapipeline, lambda, EKS

Very Good

GCP: Load Balancer, GCS,
dataflow, Cloud Build,
BigQuery, ETL

Good

Certified TensorFlow
Developer

Very Good

text search and token classification.

- Research complex technical problems and recommend solutions, technologies, and tools, best practices including newly emerging concepts
- Collect data using sophisticated tools like Google dataflow, Big Query, Mechanical Turk.
- End to End Training pipeline of Deep Megatron NLP Modals result to increased sales of child persona robot by more than 100%.
- Lead 3 - 5 Engineering team to success.
- Requirement Elicitation, Documentation and Testing
- Built databases and table structures for web applications
- Coordinated deployments of new software, feature updates and fixes

ML Engineer Intern

LEAPFROG NEPAL, Kathmandu, Nepal

- Learn and document concepts of Machine Learning
- Read ML papers and Implement State-of-the art algorithms
- Built face recognition app
- Built food calories estimation project using Segmentation

2019-01 -
2019-02

Education

2022-04 -
Current

Master of Science: COMPUTER SCIENCE, MACHINE LEARNING

University of Wollongong - Wollongong, NSW

2014-06 -
2018-12

Bachelor of Engineering: Electronics And Communications Engineering

Tribhuvan University - Kathmandu, Nepal

2012-01 -
2014-01

INTERMEDIATES OF SCIENCE: Biology, Physics, Math

Awasiya Mahavidyalaya - Bhaktapur, Nepal

Additional Information

- **[TensorFlow Developer Certificate]**
<https://www.credential.net/8b27ce74-5170-45a3-a5c5-91e5d8b5940b>
- **[Improving Deep Learning Neural Network]**
<https://www.coursera.org/account/accomplishments/certificate/KEZSPFB>
- **[Sequence Model]** <https://www.coursera.org/account/accomplishments/certificate/AQR9YUCS4QPE>
- **[Natural Language Processing with Probabilistic Models]**<https://www.coursera.org/account/accomplishments/certificate/93Q9C9DEKG5C>
- **[Natural Language Processing with Classification and Vector Spaces]**<https://www.coursera.org/account/accomplishments/certificate/M69JGBDMTMWR>