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Nave G
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Machine Learning Engineer & Backend Developer

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Summary

Transiting to Data Science, Machine Learning & data engineering roles
4+ years of experience in backend development and 2+ year of experience in machine learning
Expert in conceptualizing and developing robust backend systems for data-oriented problems

Skills and technologies

python, pytorch, tensorflow, transformers, spacy, pandas, numpy, flask, gitlab, CI/CD, AWS (sagemaker, EC2, SQS, SNS, DynmoDB, lambda, ECR), postgreSQL, mongodb, nltk, regex, docker, django, boto3, node js, html, css, javascript

Experience

Biztech2Go Inc.   Mississauga, Ontario
Machine Learning Engineer | Backend Developer   March 2022 – Present
- researching and evaluating state-of-the-art tranformer models for improved accuracy
- implementing the research papers and preparing proof of the concept in google colab
- collabrating with data science, business team and domain experts for model testing, decide metrics etc.
- developed dataset pipeline for pytorch and preprocessing
- trained spacy for developing the rule-based pipeline for documentation annotation
- developed AWS Sagemaker script mode for training and inference
- developed custom server pipeline for sagemaker in docker configuration
- developed CI/CD pipeline to automate deployment over ec2

HIE HQ   Remote, India
Mid Senior Developer – Backend Developer   Nov 2019 – Dec 2021
- Lead projects in Django and Node js
- Improved accuracy of the NLP model from 78% to 88% using tf-idf & boosting
- Wrote Gitlab CI/CD pipeline for new & existing projects
- Used web sockets for real time data transfer
- coached juniors and new joiners for version control systems- git, gitlab, github

Zillion Analytics   Gurgaon, India
Data Analytics Intern   January 2019 – May 2019
- Used Python to analyse real estate data for an international client
- Transformed data from excel to sql database
- Created visualizations using python & tableau

International Technology Solutions   Remote, India
Junior Backend Developer   June 2018 – October 2019
- Did statistical testing on medical data for anomalies using Python & MySQL
- Worked on REST API's using Node js & MongoDB
- Developed Single Page applications – Native JavaScript & React js

Education

Lambton College   Toronto, Canada
Graduate Certificate

Artificial Intelligence & Machine Learning   May 2021 – Jan 2023
Guru Nanak Dev University   Amritsar, India
B. Tech   Sept 2014 – June 2018
Computer Science and Engineerin*g*