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**Nave G**

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Machine Learning Engineer & Backend Developer

**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*