

Navroz Lamba

Machine Learning Engineer | Data Scientist

www.navrozlamba.com

📞 407-675-7920

✉️ navroz_lamba@hotmail.com

📍 Davenport, FL

WORK EXPERIENCE

Retrofit and Repair Engineer II

Sep'14– Dec'18

Boeing

📍 Long Beach, Ca

- Maintain a high standard of quality and productivity while creating complex service bulletins under general direction for 7-series and MD legacy aircraft
- Research, analyze, and integrate engineering data to develop retrofit/repair product in a high demand work environment
- Covered for Lead Engineer during absence
- Retrofit and Repair Engineering Training Committee focal
- Received awards for on-time performance of customer products

Process Engineering Intern

Aug'12– Dec'12

GE Aviation

📍 Strother field, KS

- Successfully generated and processed training manuals with visual aids for ease of new operators
- Assisted in identifying and rectifying errors in the tooling manual
- Reviewed, analyzed, and provided revolutionized ideas to improve current manufacturing methods and processes
- Designed a fixture to lift the CF34-8 rotor from the front face
- Collaborated with supervisors in resolving multiple manufacturing process issues

PROJECT WORK

Human Rights First Asylum | Full Stack Web Application

Python | Docker | AWS RDS PostgreSQL | AWS Elastic Beanstalk | FastAPI | VSCode | Scikit-Learn | Tensorflow | Keras | Selenium | Spacy

• Collaborated remotely with a team of 3 Data Scientists, 2 Frontend Web Developers, and 1 Backend Web Developer to deliver specified features for stakeholders within a 4-week timeframe.

- Designed a database schema
- Downloaded the list of pdfs from the website using Selenium
- Scraped and parsed the data from the pdf
- Developed API endpoints on FastAPI
- Dockerized the app and deployed on AWS Elastic Beanstalk
- Managed a hosted Postgres database on AWS RDS

Airbnb prices in LA | Web Application

Predicts the nightly rates of Airbnb in Los Angeles depending on the location, property type, number of bedrooms, etc.

Python | VSCode | Scikit-Learn | NLTK | Plotly Dash | Heroku

- Required a lot of data wrangling
- Used NLTK library for Natural language processing to extract the information from amenities in the dataset
- Used Joblib to save and load the pipeline
- Used Plotly Dash to make the application
- Deployed the app using Heroku

Data Storytelling | Airbus vs Boeing – How do they compare?

Predicts the nightly rates of Airbnb in Los Angeles depending on the location, property type, number of bedrooms, etc.

Python | VSCode | Scikit-Learn | NLTK | Plotly Dash | Heroku

EDUCATION

Data Science and Machine Learning

2020-2021

Lambda School

B.Sc Aerospace Engineering

June 2014

ERAU, Daytona Beach, USA

ACADEMIC COURSEWORK

Supervised Learning: Random Forest, Naive Bayes, SVM, k-NN, Logistic Regression, Decision Trees, XGBoost

Unsupervised Learning: K-means/medians, Principal Component Analysis (PCA), content-based / collaborative filtering for recommendation systems

NLP: Word Embedding, stemming, lemmatizing, parsing, & sentiment analysis

Deep Learning: ANN, CNN, LSTM

Statistical Inference: Bayesian Inference, Hypothesis Testing, Confidence Intervals

SKILLS & SOFTWARES

Languages: Python, Java

Python: Pandas, SkLearn, Numpy, Pandas, Keras, Tensorflow, BeautifulSoup, Selenium, NLTK, Spacy, FastAPI, Flask

SQL: PostgreSQL, MySQL **AWS:** Elastic Beanstalk, EC2, S3, RDS, DynamoDB **Workflow:** Docker, Git **Data Visualization:** Matplotlib, Seaborn, Plotly, SHAP **PaaS:** Heroku

ABILITIES

Data Analytics, Data Science, Predictive Analytics, Predictive Modelling, Data Visualization, Machine Learning, Artificial Intelligence, Data Mining, Pipelines, Statistics, Mathematics, Cloud Computing, Software Development, Website Development, Data Engineering, Data Warehousing, Web Scraping, Scripting, Business Intelligence, Entrepreneurship