

Ravi Naik ML Engineer

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📁 Portfolio in LinkedIn 🏠 Hackerrank



4+ years experience as a data scientist and software engineer armed with a passion to solve real-world business challenges. Proficient in deploying complex machine learning and statistical modelling algorithms/techniques for identifying patterns and extracting valuable insights. Track record of directing end-to-end software development lifecycle, accomplishing mission-critical projects & delivering user-centric solutions.

PROFESSIONAL EXPERIENCE

03/2020 – present
Mojave Automation

Accenture Technology, Junior Data Scientist

- Developed NLP (Natural Language Processing) chat bot interface for e-learning platform enabling both trainers and learners to instantiate sessions, scheduling and enrolling.
- Automated issue identification, classification and resolution using machine learning, text classification & clustering algorithms in the telecommunication domain data. This is integrated in the ticketing system of application to segregate and automate ticket assignment to concerned team of resources.
- Performed data analysis on ticketing data from different sources including supply chain, sales and payments operations and performed classification. The solution provided severity identification and similarity metrics which aided decision making.
- Data analysis and modelling of IVRS call log data by performing text summarisation & classification.
- Analysis of IM chat data for topic identification and mechanised question and answering.
- Worked on backend development of Flask REST APIs, FastAPI asynchronous services with Mongo/MySQL databases and deployed services on linux production servers with integrated UI.

06/2017 – 03/2020
Moonwalk

Accenture Technology, Software Engineer

- Software development for Automation and Innovation based applications using Python.
- Designed and developed the automation of SAP operations process. This reduced the manual effort by almost 214% (based on test cases).
- Team orchestration project using AWS services like Lex, Lambda and APIGateway.
- Worked on Conversational AI and developed a chatbot using Rasa NLU and Keras (RNNs) for the client which solved major business problems.
- Developed an AI chatbot to solve issues that are registered under ServiceNow using Python.
- Worked on automation project that validates the criticality of the systems and provides a notification using Python.

CERTIFICATIONS

AWS Certified Cloud Practitioner

DSE210x: Probability and Statistics in Data Science using Python

Accenture, Automation Prime Certified

Machine learning in python with scikit-learn

SKILLS

Data Analysis & Visualisation

*Data Extraction
Cleaning, Preprocessing and Feature extraction
Statistical Analysis
Data Visualization and Dashboard
Frameworks: Pandas, Matplotlib, Seaborn, Plotly, Streamlit*

Natural Language Processing

*Text Preprocessing and Feature Engineering
Text Classification
Text Summarization
Recommender systems and Conversational bots
Frameworks: nltk, spacy, textblob, transformers*

Data Engineering Workflow

*DAG creation and maintenance
Hooks, Variables and XCOMs
Framework: Airflow*

Predictive Analytics and Machine Learning

*Linear Models - Regression & Classification models, SVM
Tree based models
Ensemble Models - Bagging and Boosting
Clustering & Dimensionality reduction
Deep learning
Model evaluation and deployment
Frameworks: Scikit-learn, PyTorch, Imblearn*

REST Services and backend development

*API development for UI integration
Data validation and API testing
ORM Schema creation with SQLAlchemy
Frameworks/DBs: FastAPI, Flask, Mongo, MySQL*

Software Engineering

*Core Python development
RPA and backend development with Python
Languages/Tools: Python, Javascript, Git, Jupyter*

EDUCATION

08/2013 – 05/2017
CGPA: 8.91

Bachelor of Engineering in Electronics and Communication,
BVB College of Engineering and Technology, Hubli

AWARDS

- Received Accenture's prestigious Pinnacle Award for knowledge in future ready skills and effectively applying it.
- Recognised as a star of the month in Accenture for my efforts in automating SAP processes with only open- source tools in Python.
- Finalist in Accenture AI Hackathon, a global event of 512 teams.
- Presented my ideas to integrate IOT and Deep Learning in Innovation Hackathon organised by Accenture Innovation Hub and awarded for the same.
- Enrolled and completed multiple courses related to Python, Data Science, and other newer technologies on Datacamp.
- Presented sessions on AI, Cloud, and IoT in Accenture Brown Bag sessions.