

NANDKISHORE SHARMA

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Profile Summary

- A **Data Scientist** and **Machine Learning** enthusiast along with **Data Engineering** who is result oriented, self-motivated with total experience of 9+ years having industrial exposure in **Analytics, NLP, AWS & Spark** application development. A highly dependable professional with proven record of accomplishment in devising a logical approach towards problem solving.
- Demonstrated excellent performance working in Retail, Hospitality, Manufacturing, Banking and Logistics domain.
- A **"AWS SAA02"** & **"ITIL Foundation Certified Senior Analyst"** with professional experience encompassing Application Support, Testing & providing solutions for the business requirements.
- Ability to manage multiple assignments and prioritize responsibilities.
- Reported and co-coordinated with all stakeholders and Participated in business meetings.
- Experienced in understanding and analyzing business problems by interacting with management, IT team and end users.
- Expertise in end-to-end implementation of various projects including development & testing of software applications & Hardware.
- Effective communicator with an ability to deal effectively with various departments.
- A team player with strong communication, problem solving, analytical and relationship management skills; possesses sound documentation and writing skills.

Technical Skills

- ☐ Skills: Machine Learning, Natural Language Processing, Deep Learning, Spark
- ☐ Languages: Python, SQL, Golang, C,C++, Neo4j, Cobol
- ☐ Operating System: Windows, Mac, UNIX, Ubuntu, IBM Mainframe z/OS
- ☐ Applications: Pulumi, SOLR, Elastic Search, GitHub, Gitlab, CircleCI, Microsoft Office (Excel, Word, Outlook & PowerPoint)
- ☐ Cloud: Amazon Web Services, Google Cloud Platform,
- ☐ Development IDE: IntelliJ, VSCode, Jupyter, Google Datalab, Pycharm,
- ☐ SDLC: Waterfall, Agile
- ☐ Tools: Datadog, Postman, Insomnia, JIRA & Confluence, PagerDuty, HPALM (Tool for defect logging and Tracking issues report), Changeman, File AID, Service NOW, KP Confluence and Collaboration Tool.

Certification: ITIL Foundation Certification in IT Service Management.

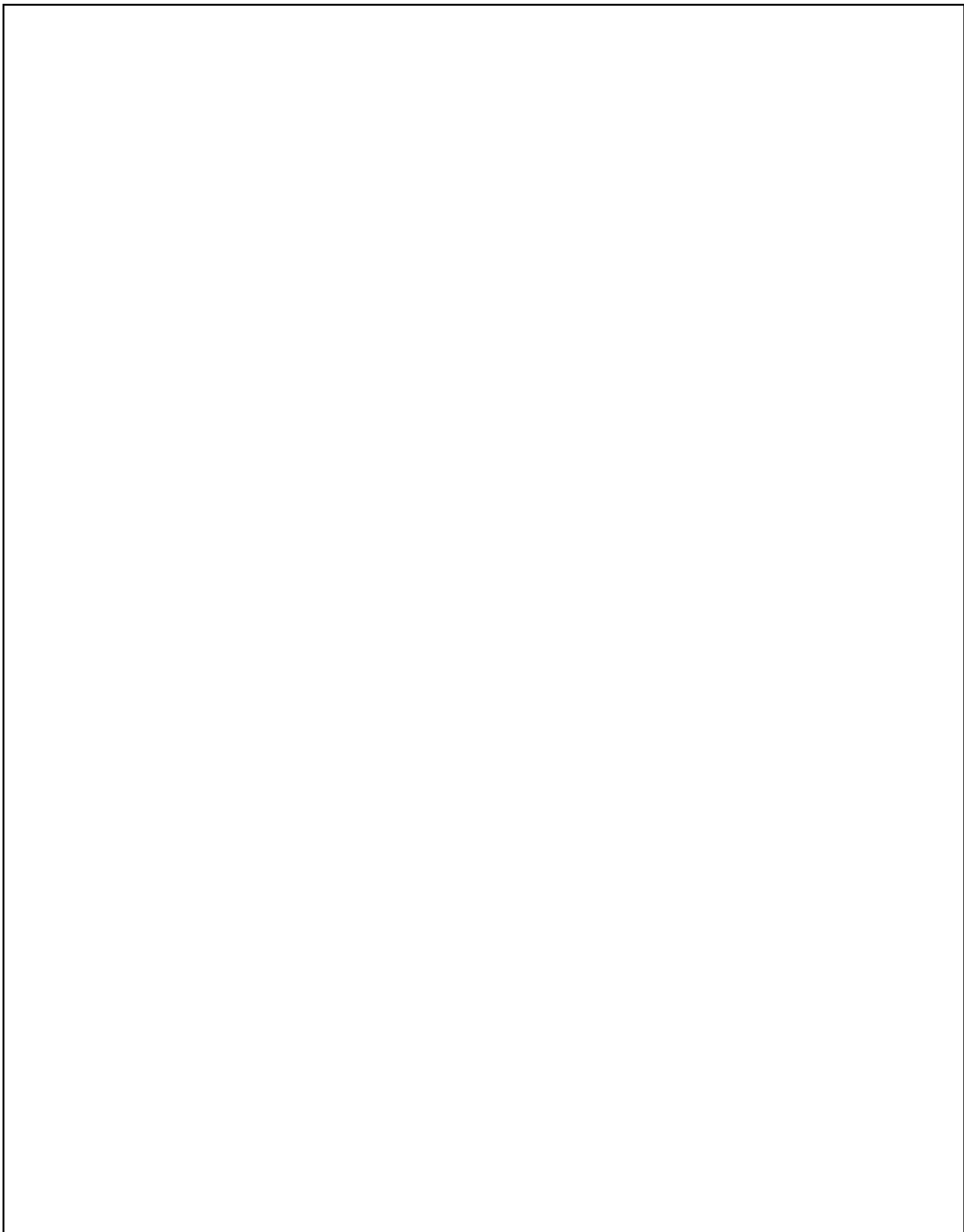
Certification: Amazon Web Services Solution Architect

Certification: Deep Learning Specialization from Coursera

Certification: GCP Big Data & ML from Coursera

Scholastics

University /school Name	Course	GPA	Years
University College of Engineering, Kota	B. Tech in Information Technology	65.5%	Aug'07-Jun'11
Central Public Senior Secondary School, Kota.	Senior Secondary	82.0%	Mar ,, 06
R.D. Public Senior Secondary School, Kota.	Matriculation	85.0%	Mar ,, 04



PROFESSIONAL EXPERIENCE

A. Project
Company Name **Discovery OTT, US**
Client **Accenture, Noida**
Role Discovery
Period Data Scientist
Jun, 2020 to Present
Skills ML Recommendation system, Pulumi, AWS Personalize, Pyspark, DynamoDB, CircleCI(CI/CD), Datadog

Responsibilities:

- Provisioning AWS resources infrastructure using Pulumi.
- Building Micro Services in Python & Golang and deploying these using ECS.
- Responsible for building data pipelines using AWS glue (ETL) to feed data to Recommendation engine using Pyspark.
- Responsible to set up AWS personalize to build Recommendation engine to generate YMAL/RFY rails.
- Created ETL jobs in Pyspark to perform ETL from S3 to S3.
- Enabled unit testing on refactored modules using pytest.
- Deployed python modules on CircleCi along with testing by creating jobs (.yml) using docker.
- Enable event based notification in cloudwatch for alerts using AWS SNS.
- Implemented DynamoDB for file indexing purpose.
- Used Athena to verify required facts manually on S3.
- Written Lambda to process streaming data coming from AWS Kinesis.
- Integrated AWS to Datadog tool for monitoring and logging purpose.

B. Project
Company Name **Corpus Manager Asset, India**
Client **Accenture, Noida**
Role AI Studio
Period Data Scientist
Jan, 2020 to Jun, 2020
Skills Natural Language Processing, Machine Learning, Python, Flask, Spacy, LDA, RASA, LUIS

Responsibilities:

- Responsible for preprocessing and formatting of data using Nltk/Spacy.
- Spacy custom Model training and testing for NER task.
- Regex, Geotext and Spacy to detect various types of sensitive (PII) information from text.
- Implemented spell check and profanity check to clean corpus or text using various python libraries.
- Implemented various best practices rules on corpus to be used to train Virtual Agent models(RASA/LUIS)
- Baselined training & testing process for RASA & LUIS
- Used LDA model to detect significant topics from IVR data to get insight about user requirements
- Spacy's Word2Vec and Bert embedding to formulize similarity process which used to label non labelled data.
- Deployed Flask API on AWS instance using Nginx-Gunicorn service.
- Entire API designed under cookiecutter concept

C. Project
Company Name **SOLV, India**
Client **Accenture, Noida**
Role Standard Chartered
Period Data Scientist
Aug, 2019 to Dec, 2019
Skills Natural Language Processing, Python, Flask, Spacy, SOLR, Elasticsearch, Neo4j

Responsibilities:

- Responsible for preprocessing of data
- Spacy custom Model training and testing for NER task.
- Integrated spacy model with SOLR/Elasticsearch to perform text search on available data
- Used Neo4j to give recommendations to user from available alternatives.
- Crated API of overall module into flask.

D. Project
Company Name Sainsbury PH, UK
Client Accenture, Noida
Role Sainsbury
Period Data Scientist
Dec, 2018 to Jul, 2019
Skills Machine Learning, Natural Language Processing, Python, Pandas, NumPy, NLTK, Google Cloud Platform, CRF++, Neo4j, Statistics

Responsibilities:

- Responsible for Planning, designing and dependable execution of diverse modules for implementing statistical model and Natural Language Processing.
- Data storage & extraction from Big Query using SQL queries.
- Applied statistical test on timeseries to check trend(increasing or decreasing) for various topics.
- Created synonyms for existing topic's array in different languages using Textblob etc.
- Responsible to train the model of NLTK and CRF++ with appropriate labelled text and assess model's accuracy to create lookup array of entities.
- Performed network analysis using Neo4j tool.
- Data analyzed using timeseries algorithm e.g. LSTM, FBProphet.
- Measured patterns behavior using cross correlation.
- Single handedly worked on Python code and technical aspects for on time deliveries of project.
- Check in code to common repository on Gitlab.
- Managed all the activities and documented in Agile manner using JIRA & Confluence tools

E. Project
Company Name Apple, USA
Client Tata Consultancy Services, Gurgaon
Role Apple GBI
Period Data Scientist
Jan, 2018 to Nov, 2018
Skills Machine Learning, NLP, Python, Pandas, Numpy, Rasa NLU, Flask, FuzzyWuzzy, Mitie, Cassandra, NLTK

Responsibilities:

- Responsible for Planning, designing and dependable execution of diverse modules for implementing Natural Language Processing.
- Responsible for preprocessing of data like statement preparation, synonyms addition for NER etc.
- Responsible to train the model with appropriate prepared statements and assess the result with accuracy.
- Single handedly worked on Python code and technical aspects for on time deliveries of project.
- Responsible for extracting and revert data in JSON from UI through Flask, Documentation of the steps taken in the entire process including extraction, preparation and modeling.
- Check in code to common repository on GitHub.

F. Project
Company Name Posten Norge, Norway
Client Tata Consultancy Services, Gurgaon
Role Posten Norge
Period Data Scientist
Feb, 2017 to Dec, 2017
Skills Machine Learning, Python, Pandas, NumPy, Scikit learn, Seaborn, SQL

Responsibilities:

- Responsible for Planning, designing and dependable execution of diverse modules for implementing machine-learning techniques.
- Responsible for preprocessing of data like cleaning, munging etc.
- Responsible to train the model with appropriate data and assess the result with accuracy.
- Work on positive -negative sentiment classification and prepare and share report with client
- Single handedly worked on Python code and technical aspects for on time deliveries of project.
- Train model using appropriate algorithms on given data and validate the same.
- Documentation of the steps taken in the entire process including extraction, preparation and modeling.

G. Project	Citi Bank Application
Company Name	Tata Consultancy Services Ltd.
Client	Citibank, Singapore.
Role	Developer
Period	April, 2013 to Jan, 2017
Skills	Cobol, DB2, JCL, VSAM, Easytrieve(EZT)
Tool	Service Now, Changeman, File AID, HP Quality Centre, IBM Mainframe
Software	MS Word, MS Excel, MS Power Point.

D. Project	Eaton Corporation, USA
Company Name	Tata Consultancy Services, Gurgaon
Client	Eaton Corporation
Role	Developer
Period	Mar, 2012 to March, 2013
Environment	Natural, Adabas, JCL, VSAM

Trainings:

- Data Science (Machine learning) Training under Digital campaign conducted by TCS
- 3 months training under "Initial Learning Program" at TCS-Hyderabad.

Awards & Achievements:

- Got recognition awards for participation in no. of support activities in Accenture.
- 100% marks in Mathematics in Matriculation.
- Bagged Team award Gold medal on winning cricket final organized by TCS.
- Won first prize in many Quiz competitions held at inter and intra college level.
- Bagged Best Team award twice in the category of "Awards of Excellence".
- Bagged "Star of the Month" award to involve proactively in incident resolution and dealing with critical problems.
- Bagged Certificate of Appreciation to accomplish the tasks within the time frame.

Personal Vitae

Date of Birth: 22nd November, 1988
 Permanent Address: House# H-4, Chhatrapura Colony, Kota, Rajasthan-324007
 Present Address: Second Floor, Plot no. 44, Vaishali Sector-1, Ghaziabad, UP -201010
 Languages Known: English, Hindi and Rajasthani

Declaration:-

I confirm that above information given is true and complete to best of my knowledge and belief.

(Nandkishore Sharma)