

# ISHAN P. BORKER

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## Profile Summary

- Lead Software Engineer, Machine Learning Competency
- 7+ years of ML experience plus 8 years of total experience
- Results-oriented software development professional with over 8 years of comprehensive experience across cutting-edge platforms, including Generative AI, Data Science, Machine Learning, NLP, Computer Vision, and Network Service Orchestration.
- Demonstrated expertise in requirement analysis, solution architecture, and the delivery of robust, scalable, end-to-end applications. Proficient in a diverse technology stack, including Python, C++, Golang, Docker, Linux/Unix, POSTMAN, and JSON scripting.
- With over 8s years of specialized focus in Generative AI, Computer Vision, and advanced machine learning, I have successfully led projects from pre-sales and proof-of-concept stages through to deployment and ongoing support.
- My background includes hands-on research and development, networking, and the delivery of customized solutions that address unique client needs.
- Highly adaptable and collaborative, I excel in solving complex business challenges, embracing emerging technologies, and performing in fast-paced, dynamic environments.
- I am committed to continuous learning and am always ready to take on challenging roles that drive innovation and deliver measurable business value.

## Work Experience

**Persistent Systems Limited, Goa, India – May 2022 – Present, Lead Software Engineer**

**Role: Apr 2024 – Present as Lead Software Engineer**

**Project: UHG Optum Insights - Data (Onsite)**

**Client:** United Health Group

**Role:** Generative AI Engineer

**Responsibilities:**

Created evaluation templates for LLMs in Amazon Bedrock and documented AWS search service requirements, implemented lexical and semantic search in OpenSearch; handled claims data search and ingestion using Kendra and Q Business with S3 integration, compared search results from Kendra, Q Business, and OpenSearch; documented findings in tables and reports, explored Amazon Q plugin architecture in OpenSearch UI; set up Q-business index as a data source and provided accuracy feedback, configured Q-business index, demonstrated search scenarios, created custom plugins, and linked OpenSearch indices to S3 datasets; converted datasets to OpenAPI formats, assessed and compared search performance and latency across OpenSearch, Kendra, and Q Business using complex queries, prepared customer demo presentations, worked on image ingestion into OpenSearch by connecting S3 bucket of X-ray dataset to LLM, converting DICOM dataset into jpeg for ingestion, tested knowledge base of this dataset to Amazon Bedrock, developed front end UI for Aurora RDS database for patient records using mesop (insert and search operation), migrated the same code to Amazon SageMaker Notebook

**Tools/Technologies:** Amazon Kendra, Amazon Q Business, Amazon OpenSearch, OpenSearch Dashboard, S3, Amazon Q Plugin, Amazon SageMaker Notebook, Amazon Aurora RDS, mesop

**Project: Generative AI Platform development - Co-Engineering – Data**

## Key Skills and Knowledge

### Generative AI Technologies

RAG  
LangChain  
LLM  
AWS Chatbot  
Amazon Bedrock  
BrowserBase  
Perplexity.AI  
Cline  
Stagehand  
Amazon Kendra  
Amazon OpenSearch  
Amazon Q Business  
Amazon Q Plugin  
mesop

### Machine Learning Technologies

Python  
FastAPI  
Data Science  
Machine Learning  
Computer Vision – OpenCV  
NLP – FastText  
spaCy  
Sci-kit learn  
NumPy  
Pandas  
Linear and Logistic Regression  
Clustering algorithms  
Decision Trees  
Neural Networks  
Reinforcement Learning  
Feature engineering  
statistical analysis

### Machine Learning Libraries

Tensorflow  
Keras  
SpaCy  
BERTopic  
NLTK  
PyPDF  
PyLDAvis

**Client:** Baldwin Risk Partners

**Role:** Generative AI Engineer

**Responsibilities:**

Classification: Executed RAG classification and extraction code for different policy documents. Explored chunking strategy for large tables obtained after extracting documents using LLM calls

Integration of Amazon Bedrock Agent and AWS Chatbot with Microsoft Teams: Changed email while testing a message in Amazon SNS and publishing it inside Teams Channel, created a knowledge base and Amazon Bedrock Agents and tested it with prompts, created an application inside developer portal in Microsoft Teams for integration

Actionable Web Technologies: Created a tabular analysis for evaluating different actionable web technology tools like BrowserBase, Maxun based on future scalability, and browser dependencies. Python code to enter URL and downloaded relevant PDFs and using BrowserBase packages like Playwright and its APIs to send URL to download relevant PDFs. Worked on stealth mode by modifying existing codebase to bypass captcha or login methods and capture metadata. Executed the same code on different carriers being implemented under Carrier Document Download, downloading policy document for each agency code using the credentials for CNA, Selective Flood carrier websites, and integrating metadata to it, worked on downloading policy document using LLM prompts and Stagehand approach on Hartford carrier website Capabilities of Perplexity.AI: Improved prompt caching, dynamic updates, response accuracy, cache persistence and query handling using perplexity.ai, retrieving response format obtained from perplexity API. Tested feasibility of Perplexity in Copilot UAT and potential business benefits

Mosaic AI Model Fine-Tuning: Performed model fine-tuning on RAG Component Classification and Extraction dataset from S3 bucket using Databricks Notebook, model testing using gpt-35-turbo-SLM, trained fine-tuning run using meta-llama models, deployed fine-tuned model to serve endpoint and testing it

Worked on client requirements like risk map automations, combination of structured and unstructured sources, graph DB for automating RFP process, LLMs with structured knowledge graphs, graph RAG, knowledge augmented graph and prepared documentation. Prepared use case presentations for all POCs

**Tools/Technologies:** RAG, LangChain, LLM, AWS Chatbot, Amazon Bedrock, BrowserBase, Perplexity.AI, Actionable Web Technologies, Databricks Notebook, Mosaic AI, pyspark, mlflow, Playwright, Stagehand

**Project: CISCO NSO Engineering**

**Client:** CISCO

**Role:** Software Engineer

**Responsibilities:**

Worked on EMS adapter activity support for different workflows like distribute, activate, commit image on IOS-XE device, working on API hardening: adding error handling conditions to the EMS adapter Go code, validating the inputs for SWIM APIs, performed code refactoring on it, performed add image, activate and commit using install method for IOS-XE device, updating the EMS adapter to be compliant with CW infrastructure by refactoring the code using Authentication, No Authentication, running different EMS APIs inside cw-admin SVM Infrastructure like import, activate, distribute and commit image using curl commands and updating the wiki page, worked on the unit test cases for the refactored codes and generated test coverage report, developed POC for Go client for fetching the CCO catalog and SMU details for each record in catalog, fetched multiple devices inside the jobsummary EMS Code

**Tools/Technologies:** EMS, SWIM, CWM, Go

**Role: May 2022 – Mar 2024 as Senior Software Engineer**

**Project: Routermination CISCO NSO Offshore Transition**

**Client:** CISCO

**Role:** Software Engineer

**Responsibilities:**

Worked on Crosswork Workflow Manager (CWM) installation, creation of adapters, resources, secrets, EPNM, created workflows, adapters for different applications and tested it on POSTMAN, Captured requests and responses for different APIs like import, distribute, activate and commit image, get job summary, get device details, device upgrade, consolidated workflow etc. for Element Management Systems (EMS) on POSTMAN, implemented codes for networking device upgrade and created adapters using Golang and executed the workflows in CWM UI, executing the SWIM APIs in CWM UI instance, worked on Network Service Orchestration (NSO) installation and Routermination Automation Kit for device onboarding, fleet upgrade and golden config, performed LNT device upgrade using RAKfu Main workflow and lux test cases,

PySpark  
MLFlow

**Algorithms**

Classification  
Regression  
Clustering  
Time series forecasting  
Topic Modelling  
Latent Dirichlet  
Allocation  
Yolov3  
Yolov4  
Mask R-CNN  
Faster R-CNN  
OpenCV  
Fast text  
Named Entity  
Recognition (NER)  
Relationship Extraction  
(REL)

**Other Skills**

Actionable Web  
Technologies  
JSON  
HTML  
JS  
PHP  
Linux/Unix Commands  
Curl Commands  
SQL  
MySQL  
Amazon S3  
SpagoBI  
Tableau  
Navicat  
GNU-Plot  
C++  
Golang  
Amazon Aurora RDS

**OS**

Linux/Unix  
Windows  
macOS

**Python Libraries**

Numpy  
Pandas  
SciPy  
Seaborn  
Scikit-learn  
Plotly-dash  
Matplotlib

**Tools/Environments**

EMS

fixed critical and major issues for CW-EMS adapter using SonarQube, updated the CW-EMS adapter with CWM 1.1 support and library integration, worked on IOS-XE device upgrade

**Tools/Technologies:** EMS, SWIM, CWM, Go, POSTMAN, NSO, Lux

## **Project: PDF Text Extraction**

**Client:** IBM Infosphere

**Role:** AI Engineer

**Responsibilities:**

Worked on PDFs from URLs. Extracted, and preprocessed the text from it using PyPDF and generated histograms using nltk. Worked on extractive text summarization using different summarizers like LSA, Luhn, Text Rank, and Lex Rank and calculated the inference time of each summarizer. Tested FastAPI codes for training and inference concerning Fasttext classifier on text classification dataset with categories like Chemical Hazardous, Restricted Prohibited, Neither, calculated the total training time of all the models. Performed Volumetric Stats for Catalog files like unique UNSPSC for Primary, Corrected Category, number of data points available and missing for each UNSPSC for corrected category

**Tools/Technologies:** PyCharm, Spyder, FastAPI, PyPDF, NLTK, Text Summarizers

## **Project: Serving NER and REL models using SpaCy**

**Client:** Chia Healthcare

**Role:** AI Engineer

**Responsibilities:**

Worked on clinical trials dataset analysis and calculating performance metrics scores using SpaCy for Named Entity Recognition (NER) and Relationship Extraction (REL) using pipelines like tok2vec (on CPU), different transformers (on GPU), plotted loss curves for NER, REL, combined models. Improving performance metrics like precision, and f1 score for all models. Served the English SpaCy model on FASTAPI and tested it on POSTMAN. Served own trained NER, and REL models using FASTAPI code and tested the model on POSTMAN and in Swagger UI. Deployed model on AWS EC2 T2 medium instance, dockerized FASTAPI NER code, and pushed the docker container on GitHub

**Tools/Technologies:** Python, SpaCy, NER, REL, Google Colaboratory, FASTAPI, AWS EC2, GitHub, POSTMAN

## **Project: Topic Modelling SEC filings**

**Client:** FinTech Companies

**Role:** AI Engineer

**Responsibilities:**

Worked on topic extraction on docoh dataset of companies (Intuit, UHG, Wells Fargo, etc.) using packages like BERTopic, Latent Dirichlet Allocation (LDA), Contextual Topic Modelling (CTM). Performed dimensionality reduction (PCA, UMAP), and clustering (HDBSCAN) techniques, using transformers like Roberta, finbert, and sentence transformers to improve topic extraction and visualizing the topics using PyLDAvis. Development is done using Python inside Google Colaboratory

**Tools/Technologies:** LDA, BERTopic, CTM, PCA, UMAP, PyLDAvis, Google Colaboratory, Python

## **Other Projects**

**Binary classification of network attacks:**

Worked on binary classification of network attacks present in NSL-KDD dataset, performed EDA, data pre-processing, generating plots to understand different features using matplotlib, seaborn, found statistical insights, performed feature engineering using one-hot encoding, label encoding, feature scaling, normalization, performed feature selection using methods like filter, wrapper and embedded, performed model selection using cross-validation, bootstrapping, used different machine learning classifiers like Random Forest, Decision Tree, XGBoost, Gradient Boosting, Voting Classifier and trained the model, performed hyper-parameter tuning using GridSearchCV and RandomizedSearchCV, evaluated performance metrics, saved the trained model and exported it on the server using joblib, worked on model explainability using eli5, Partial Dependence Plot, Individual Conditional Expectations, Local Interpretation of Model Explanation, SHAP

**Smart Interviewer:** Developed MCQ part of the test using Python, created a dataset of question bank using .toml for AI Technothon event. Development is done using Python, Github Copilot, and VS Code

Crosswork Workflow Manager (CWM)  
Network Service Orchestration (NSO)  
Lux

SonarQube  
Jupyter Notebook  
Google Colaboratory  
Kaggle notebook  
Databricks Notebook  
Amazon SageMaker Notebook  
Spyder  
PyCharm  
VSCode  
POSTMAN  
Swagger UI  
GitHub  
AWS EC2  
Azure ML Studio  
GitHub Copilot  
AWS Code Whisperer

## **Hobbies**

- Playing indoor and outdoor games
- Gymming, Yoga
- Listening to music
- Reading books, newspapers and technical magazines
- Watching news and movies
- Watering plants

**Image Segmentation:** Worked on Medical Image segmentation using U-NET, Mask R-CNN on NVIDIA GPU Cloud (NGC)

### **TechnoPro India, Bengaluru, India - Dec 2020 – Apr 2022, Machine Learning Engineer**

- **Annotation (Client: Nexar, Role: AI Engineer):** Worked on semi-automated annotation using CVAT and ML algorithms like YOLOv3, Faster R-CNN, Mask R-CNN, and manual annotation using LabelBox, LabelImg, GTStudio, led the team of 10 annotators, and provided training on annotations like bounding box, polygon, polyline, landmark, image segmentation, cuboid, video, 3D annotations, instance, and semantic segmentation
- **Smart Farming (Role: AI Engineer):** Implemented tomato image classification based on image data using SVM, KNN, MLP, and Logistic Regression. Development is done using Python inside the Jupyter lab
- **Reviewer Analysis (Client: Nexar, Role: AI Engineer):** Analyzed reviewer's incident data using Python in graphs and video dashboards inside Jupyter Notebook using matplotlib, seaborn
- **Industry 4.0 (Client: Toyota Kirloskar Motors, Role: AI Engineer):** Worked on detecting car parts in images and training models using YOLOv3, performed image annotation using VoTT and car parts damage detection using detectron2, Mask R-CNN models. Worked on predictive bearing maintenance to find the remaining helpful lifetime using regressors like SVR, RF, and DT Regressor. Worked on Object Detection and Tracking of real-time intrusion using YOLOv4, and OpenCV. Development is done using Python inside Google Colaboratory
- **Perimeter Intrusion Detection System (Client: Bengaluru International Airport Limited, Role: AI Engineer):** Worked on POC, designing RFP on perimeter intrusion detection project for Airport surveillance covering aspects of Machine learning, Computer vision, RADAR for video surveillance, verification, tracking, access control security, and Smart Command and control system, designed presentations, case studies, RFP, POC for different AI-ML projects

### **Molecular Connections, Bengaluru, India - Jul 2020 – Oct 2020, Senior Software Engineer**

- **EHR Predictive Modelling (Role: AI Engineer):** Cleaned EHR data, performed EDA, visualization, and correlation, performed binary encoding on the lab values, trained the model to calculate performance metrics, exported model on the server using joblib/pickle, explored plotly-dash. Development is done using Python inside Google Colaboratory
- **FHIR HL 7(Role: AI Engineer):** Implemented Formal Concept Analysis, JSON files parsing, FHIR Parser using Python, worked on HAPI FHIR Server by creating resources from JSON, tested REST operations on POSTMAN, created own FHIR Server

### **Rubixe, Bengaluru, India - Dec 2019 – Jun 2020, Data Science Consultant**

- **Employee Performance Analysis (Role: AI Engineer):** Cleaned the data, performed EDA, created a visualization to find department-wise performance of employees, and built a model to improve performance using machine learning algorithms like Random Forest, Gradient Boosting, XGBoost, ANN, KNN, Logistic Regression, SVM, Decision Tree with the highest accuracy of 96% using Gradient Boosting, used feature engineering, Grid & Randomized Search CV, SMOTE
- **Spare Parts Inventory Management (Role: AI Engineer):** Cleaned, analyzed the data, created the visualization, built a model using time series algorithms, achieved better predictions for ARIMA
- **Improving ITSM (Role: AI Engineer):** Imported data from the server, performed EDA, implemented prediction on priority tickets, reassigned tickets using ML algorithms with an accuracy of 86%, implemented ARIMA, and SARIMA on incidents, achieved better predictions using Rolling Forecast
- **Sales Prediction (Role: AI Engineer):** Used SMOTE to handle imbalanced datasets, PCA for dimensionality reduction, predicted status of sales potential using classification algorithms, achieved 72% accuracy, plotted ROC, precision-recall curve
- **Telecom Churn Prediction (Role: AI Engineer):** Predicted churn using ML classification algorithms, achieved an accuracy of 97%, used K-fold, Stratified K-Folds CV to improve performance, plotted ROC, precision-recall curve, calculated churn-risk score, exported model on the server
- **Bank Good Credit Score (Role: AI Engineer):** Imported Customer Accounts, Demographics, and Enquiry data from the server, created a visualization to check factors influencing customers having a good or bad credit history, and achieved 95% accuracy using ML classification algorithms. Development is done using Python inside Jupyter Notebook for all these projects

### **Digiapt Software, Bengaluru, India - Oct 2019 - Nov 2019, Associate Software Developer**

- Used Tableau to categorize companies' data from Tofler, Zaubacorp, and MCA, and plotted their location using My Maps, used Snovio to capture emails of employees and analyze roles

### **Eaglys Inc. (Deputed from Teczuno), Tokyo, Japan - Dec 2018 – Jul 2019, Research Engineer**

- **Back Office System for Manhour Management (Role: Software Engineer)**: Captured attendance spreadsheet from Google Drive using Python, generated reports in the form of graphs, presentation
- **SecureDB (Role: Software Engineer)**: Tested SQL queries, achieved API documentation using Natural Docs, PyDoc, worked keyword searching on the encrypted database using Python, C++, worked homomorphic encryption for matrix multiplication, addition of numbers using HELib, C++ in docker

### **Teczuno Global India, Bengaluru, India - Apr 2018 – Aug 2018, Data Analyst**

- Gathered data from the government website, helped in application development to locate startup companies using Tableau, and built-up concepts as a part of pre-sales support

### **Anant Infomedia, Goa, India - Aug 2017 – Feb 2018, Project Trainee**

- **Predicting employee attrition using Azure ML Studio (Role: Project Engineer)**: Designed models using classification, regression, clustering, anomaly detection
- **Business Intelligence (Role: Project Engineer)**: Used MySQL, and SpagoBI for Data Analysis, created dashboards, cockpits, and OLAP and deployed on SpagoBI server, worked on PHP, JS, HTML, Navicat

## **Internship Experience**

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### **Rubixe, Bengaluru, Karnataka March 2020 – May 2020, Data Science Intern**

- **AI for Hiring (Role: AI Engineer)**: Designed business proposal for students' academics and placement data, built model using classification algorithms to predict students' placement, published a research paper in the International Journal of Science and Research (IJSR)

### **Goa Electronics Limited (GEL), Panaji, Goa - Oct 2018 - Nov 2018, Project Intern**

- Worked on the analysis of making compliant government websites, designed Software Requirement Specification (SRS) for labor and employment, land dispute, fire, and emergency services, etc., designed flowcharts for employment exchange services

### **C-DAC ACTS, Pune, Maharashtra - July 2016 – May 2017, Project Intern**

- Worked on Parallelization of Backpropagation algorithm using OpenMP and C in Ubuntu, carried out dissertation work, and presented a paper at the International Workshop on Internet of Things and TV White Spaces (WIOT' 2017)
- Published research paper in the International Journal of Current Research (IJCR)
- Good Knowledge on OpenMP, MPI, Machine Learning, C, Linux Commands

### **CSIR- National Institute of Oceanography (NIO), Dona Paula, Goa December 2013 – January 2014 as Project Intern**

- Worked on Robotic OS and serial programming, studied different robotic OS like RROS, EmbOS, RTX, RISC, VxWorks, MOOS, etc.
- Implemented a serial port C program to transfer data from one USB port to another in Ubuntu

## **Education**

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- Master of Technology – C-DAC, Pune and Veltech University, Chennai, Tamil Nadu – 2015 – 2017
- Bachelor of Engineering – Goa College of Engineering, Goa University, Goa – 2011 -2015
- Higher Secondary School (Class XII) - Goa Board, 2010-2011, 74%
- High School (Class X) - Goa Board, 2008-2009, 82.17%



## Technical Certifications

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- Udemy: Personal Cybersecurity Bootcamp: Build Your Digital Shield
- Udemy: Intro to Google's A2A Protocol - Interoperable AI Agents
- Udemy: AI Agentic Design Patterns with Ollama & OpenAI Guide
- Udemy: Amazon Q Developer for Programmers and DevOps AWS AI coding
- Udemy: Responsible AI - Principles, Practices, and Applications
- Udemy: Prompt Engineering for Beginners - Learn ChatGPT Prompting
- Udemy: LLM Fine Tuning Fundamentals + Fine tune OpenAI GPT model
- Udemy: LLMs Mastery - Complete Guide to Transformers & Generative AI
- Udemy: Generative AI for Beginners
- Udemy: Intermediate Python - Memory, Decorator, Async, Cython & more
- Udemy: Learn Selenium with Python, PyTest & Frameworks
- Persistent Systems: GitHub Copilot Course
- Udemy: Serverless using AWS Lambda for Python Developers
- Udemy: AWS MasterClass - Monitoring and DevOps with AWS CloudWatch
- Udemy: AWS Security Best Practices
- Udemy: Introduction to Virtualization - 90 Minute Crash Course
- Udemy: AWS EC2 Crash Course + Load Balancing with Demos and PDFs
- Udemy: Learn Basic DB2 on Mainframe for Beginners
- Udemy: DB2 For Beginners
- Udemy: Containers on AWS ECS, EKS, and Fargate 2 hour Crash Course
- Udemy: AWS Serverless Lambda Functions 2 hr. Hands On Crash Course
- Udemy: Hands-On Introduction to CloudFormation - 2 hour course
- Udemy: Amazon Aurora PostgreSQL from A to Z
- Udemy: Git Going Fast One Hour Git Crash Course
- Databricks: EDW-ETL Migration to the Data Intelligence Platform
- Snowflake: Snowflake Sales Professional Accreditation
- Snowflake: Snowflake Beginner Fundamentals
- Udemy: Complete Agentic AI Bootcamp with LangGraph and Langchain
- Udemy: AWS DynamoDB 2025: High Performance Strategies Included
- Udemy: Complete Generative AI Course With Langchain and Huggingface
- LinkedIn: Cybersecurity Foundations
- Udemy: AWS RDS & Aurora Crash Course – Zero to Hero in 3 Hours!
- Udemy: Master RAG: Ultimate Retrieval-Augmented Generation Course
- Udemy: AWS Certified Machine Learning Engineer Associate: Hands On
- Udemy: The Absolute Beginners Guide to Cyber Security 2025 - Part 1, 2, 3 and 4
- Udemy: Introduction to Cyber Security - 2 Hour Crash Course
- Udemy: AWS CDK for professionals (Python and TypeScript)
- Udemy: AWS SAM Framework and AWS Lambda - A Complete Hands-on Guide
- Persistent Systems: iAura Course
- Udemy: AWS Lambda - A Practical Guide - Learn from an Expert
- Udemy: Learn AWS Identity Management with AWS IAM, SSO & Federation
- Udemy: AWS Identity Access Management (IAM) Practical Applications
- Udemy: Introduction to AWS - Understand AWS basics in 3 hours
- Persistent Systems: Generative AI Foundation Course
- LinkedIn: Preparing for the Future of Work with AI Agents
- LinkedIn: Preparing Your Organization for AI Agents
- LinkedIn: Leading through AI Agent Disruption
- LinkedIn: Transforming Business with AI Agents: Autonomous Efficiency and Decision-Making
- LinkedIn: Fundamentals of Agentic AI: Business Implications and Ethical Insights
- Udemy: Gemini Google AI: The All-in-One AI Masterclass 2025 [NEW]
- Udemy: Mathematics Behind Large Language Models and Transformers
- Udemy: Introduction to Large Language Models (LLMs) In Python
- Udemy: MCP Crash Course Complete Model Context Protocol in a Day
- Udemy: Intro to Large Language Models (LLMs)

- Participated in Semicolons 2025, Annual Global Hackathon of Persistent Systems
- Persistent Systems: Python ML Competency Level - 3 Certification
- Persistent Systems: Python ML Competency Level - 2 Certification
- Udemy: Automate the Boring Stuff with Python Programming
- Udemy: Complete Python Bootcamp 2024: Zero to Expert in Python
- Udemy: AWS SageMaker Practical for Beginners Build 6 Projects
- Udemy: MongoDB – The Complete Developer’s Guide 2024
- Udemy: Complete Tensorflow2 and Keras Deep Learning Bootcamp
- Udemy: Taming Big Data with Apache Spark and Python – Hands-on
- Udemy: Natural Language Processing with Python
- Udemy: Natural Language Processing with Transformers in Python
- Udemy: LangChain with Python Bootcamp
- Udemy: REST APIs with Flask and Python in 2024
- Udemy: Python for Data Science and Machine Learning Bootcamp
- Udemy: Complete Data Science, Machine Learning, DL, NLP Bootcamp
- Udemy: Git for Geeks: Quick Git Training for Developers
- Udemy: Amazon Bedrock & AWS Generative AI [Beginner to Advanced]
- Udemy: Generative AI: Beginner to Pro with OpenAI & Azure OpenAI
- Udemy: LangChain- Develop LLM-powered applications with LangChain
- Persistent Systems: Generative AI for Practitioners Certification (Objective and Subjective)
- Persistent Systems: Generative AI Foundation – Generative AI Assisted Coding using Amazon Code Whisperer
- Databricks Accredited Generative AI Fundamentals
- Career Essentials in Generative AI by Microsoft and LinkedIn
- Databricks Lakehouse Machine Learning Associate
- Persistent Systems: Participated in Semicolons 2023, Annual Global Hackathon of Persistent Systems
- Fundamentals of the Databricks Lakehouse Platform Accreditation
- Persistent Systems: Information Security Awareness Secure Coding/Data Handling & Privacy Training
- Udemy: Deployment of Machine Learning Models
- IABAC, Amsterdam: Certified Data Scientist & Data Science Foundation by
- Deep Learning specialization by Coursera and deeplearning.ai on Coursera.org
- Certified Data Scientist course completion certificate by DataMites, Bengaluru
- Paper publication “Parallelization of Backpropagation Algorithm & Benchmarking” in IJCR
- Paper publication “Artificial Intelligence for Hiring” in IJSR
- Paper presentation on “Backpropagation Algorithm & Use of OpenMP in ML” in the International Workshop on IOT & TV White Spaces
- 1st prize in National Summer Training Program on “Bigdata & Hadoop” by Revert Technology Pvt. Ltd., EDC-IIT Roorkee
- Diploma Course in Java programming with JDBC and C programming at MICE

## Non-Technical Certifications

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- Udemy: Business Communication Skills: Business Writing & Grammar
- Udemy: Generative AI for Leaders & Business Professionals
- Udemy: Entrepreneurship - How To Start A Business From An Idea
- Udemy: Generative AI for Business Leaders: A Quick Overview
- Udemy: Product Management 101
- Udemy: Project Management Fundamentals
- Udemy: Leadership: Practical Leadership Skills
- Udemy: Business Communication Skills: Handling Clients & Customers
- Udemy: Delegation Strategies for Managers
- AMCAT certification exam - 77.72 percentile, Apr 2017

## Declaration

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I hereby declare that all the information provided above is true to my knowledge.

Sign:

Date:

