Verma V

AI ML Developer, 6+ years experience
Ahmedabad, India
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AI/ML Developer with hands-on experience in building scalable machine learning models, data pipelines, and end-to-end AI solutions. Skilled in Python, TensorFlow, PyTorch, and cloud-based ML deployment. Strong ability to translate business problems into data-driven solutions with clean, production-ready code.

INDUSTRIES: BankingFinance, HealthcareAI, EnergyUtilities, ArtificialIntelligence, DataEngineering

TECHNICAL SKILLS

• Python	6 years & 6 months
• Redshift	6 years & 8 months
• JavaScript	5 years & 8 months
• HTML	5 years & 5 months
• Glue	5 years & 8 months
• Step Functions	5 years & 6 months
• PowerBI	4 years & 6 months
• SCSS	3 years & 5 months

SOFT SKILLS

Teamwork

PROJECT DETAILS

• Enterprise Risk Assessment System — January-2021 - November-2021

Project Description: Developed a cloud and on-premises solution for large-scale enterprise risk assessment, enabling financial institutions to evaluate and monitor the risk profiles of 200K+ customers.
Responsibilities: Designed and implemented event-driven risk analysis workflows using AWS Lambda. Developed scalable back-end services in Spring Boot and MongoDB for efficient data processing. Integrated Power BI dashboards to visualize real-time risk insights for decision-makers. Deployed automated CI/CD pipelines with Docker, Ansible, and AWS to ensure smooth delivery and environment consistency.
Technologies: Red Hat Linux, Spring Boot (Java), MongoDB, Docker, AWS CI/CD, Ansible, Elasticache, AWS RDS, Lambda, Power BI
Industry: BankingFinance

• Brain Simulation System — June-2019 - November-2019

Project Description: Developed an open-source web application to simulate and analyze brain injuries, providing real-time 3D visualization and analytics for medical research and diagnostic purposes.
Responsibilities: Designed and developed both frontend and backend applications using ReactJS NodeJS and AWS Created a dynamic three dimensional brain model to visualize injury impact in real time Used AWS Lambda and RDS for scalable data processing and storage Implemented continuous integration and deployment using GitHub Workflows Collaborated with research teams to improve model accuracy and simulation results
Technologies: ReactJS, NodeJS, GitHub Workflows, AWS Lambda, RDS
Industry: HealthcareAI

• Plug Load Management System October-2021 - January-2022

Project Description: Created a highly scalable data bus to ingest data from 1M+ IoT energy device sensors. Led a team of more than 5+ engineers to design and develop Delta Lake solutions for big data processing. Used AWS Glue and Redshift to build data lake solutions for advanced analytics.

Responsibilities: Led end to end design and development of a scalable data ingestion and analytics platform handling data from more than one million IoT energy sensors Managed a team of engineers to implement Delta Lake based big data solutions Built and optimized ELT pipelines using AWS Glue Redshift and Databricks for advanced energy analytics Ensured system reliability through CI CD automation using AWS Jenkins and GitHub Workflows

Technologies: NodeJS, SonarQube, FastAPI, Cockroach DB, ELT Pipelines, Python, Azure DevOps, AWS Ci/CD, GitHub Workflows, Jenkins, Redis, Databricks, AWS S3, Redshift, Glue

Industry: EnergyUtilities

• AI-BASED AUTOMATED CALL QA SYSTEM September-2020 - December-2021

Project Description: Developed an AI-driven automated quality assurance system to analyze and evaluate customer support calls using advanced speech-to-text and natural language processing technologies.

Responsibilities: Integrated speech-to-text APIs from Amazon, IBM Watson, and Google AI, boosting product adoption by 13%. Designed and implemented an in-house Deep Neural Network (DNN) model for speech-to-text, achieving 97% model accuracy. Automated data ingestion and processing using AWS Glue and Step Functions for scalable and real-time analysis. Led the end-to-end architecture and deployment using Kubernetes, Terraform, and GitLab CI/CD pipelines.

Technologies: ReactJS, NodeJS, Python, MongoDB, PostgreSQL, RabbitMQ, GitLab DevOps, Kubernetes, Keras, Terraform, AWS Glue, Step Functions, Lambda

Industry: ArtificialIntelligence

• NOVEL WEB-SCRAPING SYSTEM January-2020 - August-2020

Project Description: Developed an intelligent web-scraping system optimized for large-scale data extraction and processing, enhancing performance, accuracy, and scalability for analytics use cases.

Responsibilities: Designed and implemented a custom algorithm to filter out unnecessary elements (ads, images, redundant tags), improving data extraction speed from 1 minute to 3 seconds. Built a Kubernetes-based load-balanced architecture, reducing API latency from 2 seconds to 1 second on average. Integrated AWS S3 and Redshift for efficient data storage, transformation, and analysis. Automated deployment and monitoring pipelines using Terraform and GitHub Workflows.

Technologies: ReactJS, NodeJS, Go, PHP, MongoDB, GitHub Workflows, Kubernetes, Terraform, AWS S3, Redshift

Industry: DataEngineering

EMPLOYMENT HISTORY

• Senior Software Developer January-2023 - February-2025

Description: Defined integration specs and supported enterprise data modeling 𝔾RDF, SPARQL𝕀 Managed AWS-based serverless systems 𝔾RDS, Glue, Step Functions, Lambda, S3𝕀 Led re-platforming of AirCanada.com 𝔾22.8M monthly users) Saved $400K/month via optimized pipelines Migrated COBOL to Java microservices using Blu Age on AWS

• Software Engineer, Co-Founder January-2020 - December-2022

Zoof Software Solutions

Description: Developed AI-powered speech analytics for call centers Integrated 8+ platforms; revenue 𝕛 $100K in FY Increased revenue by 35% from existing clients Implemented AES/RSA encryption for 5,000+ calls Optimized real-time pipelines with AWS Glue

• Software Engineer January-2015 - December-2021

Enthu.AI

Description: - Built AI-enabled speech analytics and conversation intelligence software for calling teams. - Increased Revenue Growth by 35% for existing client base. - Contributed in addition of more 8+ 3rd Party Integration with Transcription pipelines.

• Software Engineer January-2018 - December-2019

Yogaya

Description: Developed standard models for IoT data (FRL/VRL/HRL) Built scalable hybrid cloud for 100+ users Conducted rural surveys via NFC tagging (1M+ properties)

EDUCATION

• Bachelors degree in Computer Science from Chitkara University 2014 - 2018

LANGUAGES

• English - native

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