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Top Skills

Generative AI

LLMs

IDP

Certifications

Professional Certificate Course in AI and Machine Learning

Machine Learning

R Programming

The Data Scientist's Toolbox

Introduction to Data Science in Python

Honors-Awards

Star Award Silver

Shailendra Kesarwani

Solution Engineer at HighIQ
Agra, Uttar Pradesh, India

Summary

For over a decade, I've been at the intersection of AI and data, dedicating the last six years to mastering Natural Language Processing. My expertise lies in architecting and delivering end-to-end NLP pipelines and document intelligence (IDP) systems that transform unstructured data into actionable insights. I specialize in leveraging advanced Transformer models and have a strong history of leading technical teams to optimize machine learning workflows and achieve tangible business outcomes. I'm passionate about solving complex challenges and am actively seeking remote opportunities in NLP/AI engineering, research, or solution architecture.

Experience

HighIQ.ai

Solution Engineer

February 2022 - Present (3 years 11 months)

India

1. Led end-to-end development of 3 AI-powered Intelligent Document Processing (IDP) systems using LLM/DLM approaches, achieving 95% extraction accuracy.
2. Designed a novel document rotation algorithm in skimage, improving OCR preprocessing efficiency by 30%.
3. Architected a private front-end platform to visualize classified/extracted document data with retrieval mapping.
4. Mentored junior engineers in NLP best practices and streamlined cross-version/OCR engine migrations.

KYC2020

Data Science @ 2020

September 2019 - February 2022 (2 years 6 months)

Agra, Uttar Pradesh, India

1. Built an NLP-driven negative media monitoring system from news aggregators using NER, sentiment analysis, and transliteration.

2. Optimized multilingual text processing (non-Roman to Roman script) for global compliance workflows.

LALA Lends

Data Science Manager

October 2018 - December 2018 (3 months)

Noida, Uttar Pradesh, India

1. Developed a credit scoring engine for lending decisions using customer behavioral/profiling data.

Info Edge India Ltd

Senior Data Analyst

September 2013 - March 2017 (3 years 7 months)

Noida

1. Created a job-seeker targeting platform with dynamic segmentation, improving engagement by 25%.

2. Evaluated search relevance algorithms (IR) and automated report generation for stakeholders.

Firefly e-Ventures Ltd

Business Analyst

May 2011 - September 2013 (2 years 5 months)

Gurgaon, India

1. Built regression model for unlabelled crawled jobs' salary.

2. Designed algorithm and developed mechanism to predict similar jobs based on behavioural statistics.

3. Performed categorization of documents into verticals.

4. Built a datacentre from structured and unstructured data sources containing static and behavioural information

CMC LTD

Software Engineer

December 2009 - August 2010 (9 months)

Noida

1. Engineered a hub application which can receive, decode, process, encode and transmit signals to/from devices which utilizes Socket Programming (UDP, TCP), POSIX Message Queues, Setup Network Time Protocol (NTP) synchronization.

Education

Indian Institute of Technology, Kanpur

Bachelor's Degree, Biological Science and Bioengineering · (2004 - 2009)

Pt. Deendayal Upadhyay SDV, Kanpur

Intermediate (12th), Mathematics, Physics, Chemistry, Computer
Science · (2002 - 2003)