

Surendra Choudhary

Solution Architect - Birlasoft Ltd

Skilled Data Scientist specializing in Generative AI, Python for Data Science, Machine Learning, Data Science Solutions, Statistics & Probability, and Natural Language Processing, with a focus on Azure-based implementations. Led the design and execution of innovative AI solutions spanning Generative AI, Deep Learning, Advanced NLP, Machine Learning, and Python.

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location: Noida



WORK EXPERIENCE

Solution Architect

Birlasoft Pvt. Ltd. | 10/2009 - Present

Achievements/Tasks

- **B-HIVE:**
This chatbot serves as an internal resource for company employees seeking information about HR policies. Developed using Langchain, PyPDFLoader, LLM (GPT-3), and Chroma
- **FinQube:**
Analyzing quarterly financial reports of a company to extract insights and answer complex queries regarding revenue growth, changes in the macro environment, and cash reserves. Used: LlamaIndex, OpenAI API
- **SmartEquip:**
Chatbot for Accessing and Comparing Oil & Gas Equipment Catalogue. "SmartEquip," an AI-powered chatbot designed to streamline equipment procurement by providing instant access to catalogue information and facilitating product comparisons.
- **Esker Support hub:**
Implemented an innovative NLP solution within the Esker Support Hub to efficiently address duplicate queries raised by Birlasoft team members during product implementation. Developed and integrated advanced NLP algorithms to analyze and identify similarities between support queries, resulting in streamlined issue resolution processes.
- **CTA Ridership:**
Solution to predict the future ridership (passenger count) for trains based on historical ridership data. Solution was based on RNN
- **ServiceNow Dashboard:**
Built a tableau dashboard for service Now bug data to visualize various aspects of the bug reports such as bug types, status, resolution, product distribution, and customer distribution. Utilized charts like Pie chart, Bar chart, Stacked bar chart, Treemap, Line chart, Heatmap, Word cloud

System Analyst

Birlasoft | 06/2009 - 11/2016

Achievements/Tasks

- OT Documentum 16.4 upgrade and Installation
- Webtop installation and configuration
- Workflow design and security configurations
- Migration and upgrade of ECM Solutions
- ECM FileNet P8 workflows and customizations

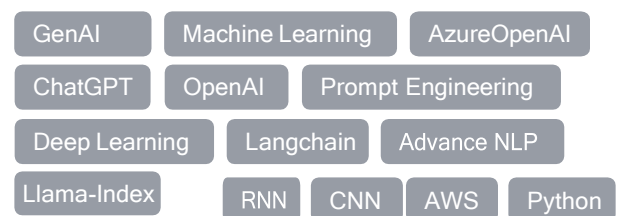
Assistant System Engineer

Tata Consultancy Services. | 06/2006 - 09/2009

Achievements/Tasks

- Application development & ECM Solutions
- IBM FileNet Image services

SKILLS



EDUCATION

Bachelor of Engineering (BE)

Jodhpur (06/2002 - 05/2006)

Executive Program in Data Analytics

IIM Calcutta (03/2023 - 02/2024)

CAREER HIGHLIGHTS

16 years of overall IT experience specializing into core development areas like Python, Java, ML and Deep Learning

Experience in diverse industries like BSFI, Utilities, Insurance and Manufacturing to name a few

Exposure of working in various geographies like UK, USA and Europe

Extensive working experience on the latest disruption in the industry - Generative AI

Proficient in Programming languages like Python, JavaScript, Java and AI Frameworks like TensorFlow and Keras

Demonstrated continuous and evolved learning process right from ECM Solutions to Web technologies to Machine Learning to GenAI

Worked with cross-functional teams, communicate complex concepts to non-technical stakeholders, and contribute to a collaborative and innovative environment

Experience with AI Frameworks like Tensorflow, Keras and Transformer based models and Cloud Platforms like Azure and AWS

Workshops on latest advancements in GenAI

Hands on experience on GenAI Frameworks like LangChain and LlamaIndex