

Deepak Raj



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SUMMARY

Experienced Data Scientist (4+ years) with expertise in Insurance and Healthcare AI solutions. Skilled in Computer Vision, Deep Learning, Python, Lanchain, Neo4j and Backend Development driving operational efficiency and strategic decision making.

EXPERIENCE

Data Scientist, Scry AI

April 2022 – Present, Noida

- Increased document processing efficiency by implementing a YoloV5 object detection model within the OCR pipeline, achieving 97% accuracy in document identification.
- Worked onsite in Osaka, Japan, collaborating with local professionals on a complex project. Gained hands-on experience in solving real-world challenges, improving programming efficiency, and understanding Japanese work culture and best practices.
- Enhanced the auto KYC product by leveraging NLP libraries to automate customer verification and streamline onboarding. This resulted in faster customer acquisition and improved user experience.
- Automated insurance product illustration generation through reverse engineering, eliminating legacy code and boosting processing speed.
- Established a robust product onboarding pipeline, significantly improving the efficiency of new product acquisitions.
- Developed an advanced solution leveraging Abstract Syntax Trees (AST), Neo4j, LangChain, and Large Language Models (LLMs) to structure, store, and query insurance data, enabling end-users to seamlessly obtain accurate answers to insurance-related queries.

Associate Data Scientist, DataKalp LLP

Sep 2021 – March 2022, Bangalore

- Experienced in building robust APIs and data pipelines to handle configuration, deployment, and benchmarking of ML/AI models using FastAPI / Flask frameworks.
- Developed and maintained interactive dashboards and reporting tools that improved tracking of targeting models and enhanced management of key business metrics, leading to more informed decision-making.
- Experienced in visually impactful web dashboards, and client reports with Python (Dash/H2O), Tableau, and Powerpoints for product output, performance, and accuracy to understand user behaviour and improve the product.

AI Developer, Appzlogic Mobility Solutions

Feb 2021 – Aug 2021, Noida

- Designed, developed and implemented computer vision and NLP problems using deep Learning and Google Cloud tools.
- Worked closely with the Android development team to deploy AI applications.

EDUCATIONS & CERTIFICATIONS

- Data Engineering **Palantir Foundry • 2024**
- Computer Vision Essentials **Great Learning • 2021**
- Introduction to Neural Networks and Deep Learning **Great Learning • 2021**
- PG Diploma in Data Science **IMS Proschool • New Delhi • 2020**
- Business Analytics **IMS Proschool • 2020**
- Java & Python Programming **Electronics Service & Training Centre • 2019**
- Bachelor of Science **University of Delhi • New Delhi • 2016**