Prashobh Paul
Technical Architect - Data Science

Data Science Professional with 10+ years of experience

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Raheja Vistas, Nacharam, Hyderabad, India 📍

WORK EXPERIENCE

Tech Mahindra
Assistant Technical Architect (Data Science)

06/2023 - Present   *Hyderabad, IND*

Achievements/Tasks
- Led GenAI initiatives with LLM-based conversational systems for global clients
- Architected scalable enterprise AI solutions using agent-based frameworks
- Managed production deployments and mentored cross-functional AI teams

YASH Technologies
Senior Data Scientist

08/2022 - 06/2023   *Hyderabad, IND*

Achievements/Tasks
- Built topic modeling and semantic search tools with transformer-based embeddings
- Developed knowledge graph models to streamline enterprise KM systems

Brane Enterprises
Lead Data Scientist – Robotics & AI Lab

04/2021 - 08/2022   *Hyderabad, IND*

Achievements/Tasks
- Engineered GAIT control and detection systems for quadrupedal robots
- Led simulation to physical integration using ROS and PyBullet
- Object Detection for the quadrupedal robot (2000+)

PrimEra Medical Technologies
Senior NLP Engineer

04/2017 - 04/2021   *Hyderabad, IND*

Achievements/Tasks
- Developed clinical NLP systems for 60+ US hospitals
- Built real-time note reader and OCR tools for EOB and diagnostic insights

Tata Consultancy Services
Data Scientist (AI & Robotics Labs - DESS Wing)

02/2015 - 03/2017   *Cochin, IND*

Achievements/Tasks
- Created RNN-based control models for intelligent robotic platforms
- Designed and deployed NLP models for document classification

CORE COMPETENCIES

> Generative AI, LLMs (LangChain, OpenAI, HuggingFace), Prompt Engineering

> AI Architecture: Scalable ML Pipelines, GCP-cloud Deployments

> NLP: OCR, HL7, EHR/EMR Parsing, NLU/NLG

> ML/DL: RNNs, Transformers, Predictive Analytics, Computer Vision

> Leadership: Team Management, Cross-functional Collaboration, Project Delivery

KEY PROJECTS & INNOVATIONS

- Enterprise GenAI Assistant: Built with LangChain and LLMs for support automation
- Medical Note Reader: Real-time extraction for diagnostics in 60+ US hospitals
- Quadrupedal Robot AI: ML-based GAIT tuning and object detection
- Conversational Bot Framework: GenAI-powered modular chatbot for enterprise use
- EHR Parser: Structured data extraction from HL7 encoded streams
- AI Ticket Classifier: Achieved 300x reduction in resolution time

EDUCATION

M.Tech
SRM University Chennai

2012 - 2014   *88%*

Courses
- Knowledge Engineering (AI Specialization)

B.Tech
Christu Jyothi Institute of Tech & Science (JNTU Hyderabad)

2008 - Present   *Jangoan, Telengana*

                                          67%

Courses
- Computer Science

LANGUAGES

English
Full Professional Proficiency

Hindi
Professional Working Proficiency

Malayalam
Professional Working Proficiency

Telugu
Professional Working Proficiency

Tamil
Professional Working Proficiency