

Prashant Singh

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in prashantsinghcds

prashantCDS

Summary

Senior Data Scientist & AI Team Lead (SME) with over 2.5 years of experience architecting high-impact machine learning pipelines and leading cross-functional technical teams. Proven track record in transforming complex datasets into predictive solutions and providing strategic technical roadmaps. Recognized for excellence in global mentorship, having trained **1500+ professionals** in GenAI and ML technologies.

Technical Skills

Leadership: Team Management, Technical Mentorship, AI Strategy, Project Roadmap Design

Core Expertise: Subject Matter Expert (AI, DS & Analytics), ML Systems Design, Production Deployment

ML / DL / AI: ANN, CNN, RNN, Transformers, **LLMs**, NLP, Computer Vision (CV), AutoML

Stack: Scikit-learn, TensorFlow, Keras, OpenCV, Flask, Rest API, MLflow, AWS Basics

Data & BI: SQL, MongoDB, **Power BI**, Tableau, Excel, Jupyter, Colab

Professional Experience

Rubixe

Bengaluru, India

Team Lead & Senior Data Scientist (SME)

Feb 2024–Present

- **Auto-EDA: AI-Powered Data Insight Engine (In Progress):** Leading the development of an AI-powered Automated Exploratory Data Analysis platform that automatically profiles datasets and generates insights. Designed to handle **100K+ rows** efficiently with optimized data processing pipelines.
- **Subject Matter Expertise:** Serving as the Primary SME for AI, Data Science, and Analytics, providing strategic guidance and technical roadmaps for high-stakes initiatives.
- **Technical Instruction:** Orchestrating workshops on ML, Computer Vision, and Generative AI; successfully mentored over **1500+ students** and industry professionals globally.
- **Computer Vision:** Engineered real-time systems using 30k-image datasets, achieving **95% mAP** via optimized GPU training for low-latency inference.
- **Curriculum Design:** Developed comprehensive learning paths for Data Science and AI, focusing on practical industry applications and production-level deployment.
- **Leadership:** Directing a cross-functional team of 4 in the end-to-end development of high-precision AI products, including a credit scoring engine that significantly improved risk assessment accuracy and loan approval rates.
- **Strategy:** Deployed scalable risk-monitoring frameworks using Python and Scikit-learn, overseeing the full development lifecycle from inception through production delivery.
- **Executive Visualization:** Integrated automated **Power BI** dashboards to provide real-time portfolio visibility, directly enhancing executive-level decision-making quality.

Certifications

- Certified Data Scientist — IABAC™
- Certified Data Scientist — NASSCOM
- Certified Data Scientist — JAINx University
- Professional Certification in DS — Datamites

Education

Datamites Institute

Bengaluru, India

Professional Certification in Data Science

Aug 2023

Advanced training in ML and AI focused on production deployment.

Shanghai International University

Manipur, India

Bachelor of Arts

Jun 2020

Completed degree with a focus on analytical thinking and research methodologies.

Languages

Fluent: English (Professional), Hindi (Native)

Regional: Bhojpuri (Native)