

# PRATIKA BIHARI

Data Scientist – AI/ML Engineer – Generative AI Specialist

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## EXPERIENCE

### Senior Programmer - AI/ML & Data Science

National Informatics Centre (NIC), Ministry of Electronics & IT

07/2022 Nagpur, India

Government organization focusing on providing digital solutions and services

- Led AI implementation for Western Coalfields Limited's e-procurement platform serving **10+ operational areas** with thousands of transactions annually
- Engineered scalable **ML pipelines** for data cleaning, feature engineering, and predictive analytics, improving decision-making **efficiency by 25%**
- Built regression models and **time-series forecasting** for resource optimization, driving 15% cost savings in procurement operations
- Developed **GenAI solutions** for document intelligence, reducing manual processing time by 40%

### System Engineer - Data Analytics & Backend Development

Prava Associates Pvt. Ltd

08/2021 - 06/2022 Bhubaneswar, India

Company specializing in IT solutions and consultancy services

- Designed scalable backend systems using Python and SQL, **achieving 20%** improvement in reporting efficiency
- Contributed to ERP module integration, streamlining workflows and enhancing data integrity

### Software Engineer - Data Analysis & Automation

Espire System Pvt. Ltd

11/2019 - 07/2021 Mumbai, India

Software company delivering IT solutions across various domains

- Developed enterprise applications with focus on data analysis and visualization
- Implemented automation scripts reducing manual workload by **30%**, **integrated BI tools** for data accessibility

## EDUCATION

### Bachelor of Technology in Aeronautical Engineering

Bhubaneswar Engineering College

08/2013 - 05/2017 Bhubaneswar, India

### Full Stack Data Science BootCamp 2.0

iNeuron

11/2023 - 11/2024 Bengaluru, India

## SUMMARY

I am an AI Engineer with over **5 years** of experience in building production ML systems, generative AI solutions, and scalable data pipelines. My expertise includes **RAG, LLM** orchestration, and **agentic AI**, along with **MLOps**. I have a proven track record of delivering significant improvements in e-procurement, ERP, and GovTech sectors

## KEY ACHIEVEMENTS

### AI Implementation for E-Procurement

Successfully led the implementation of AI solutions that significantly enhanced operational efficiencies and reduced costs

## SKILLS

MLOps Python SQL N8N

RAG Pandas Numpy

Scikit-Learn Time Series

Predictive Analytics NLP REST

Microservices Microsoft Power BI

Plotly LangChain LangFlow

LLM Generative AI

## PROJECTS

### Key Projects & Impact

Various projects focusing on AI, automation, and data analytics

- Built retrieval-augmented generation system for document search, reducing query response time by 60%
- Designed multi-agent systems using n8n and LangChain for task orchestration, improving throughput by 35%
- Created ML pipeline for trend analysis supporting decisions for 500+ stakeholders