

Achhuta Nand Jha

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⚡ LeetCode Profile

👤 GitHub Profile

🔗 LinkedIn Profile

🌐 Portfolio

EDUCATION

- **B.Tech | GLA University , Mathura**

Computer Science and Engineering

2023-Present

CGPA:7.35/10

Represented institute at international and national events for coding and hackathon .

SKILLS

Languages: Java, Python, JavaScript

Web Development: ReactJS, NextJS, NodeJS, ExpressJS, TailwindCSS, HTML, CSS

ML / AI Libraries: Scikit-learn, TensorFlow, PyTorch, Keras, Transformers

AI Concepts: Supervised/Unsupervised ML, Classification, Regression, RL, ANN, CNN, RNN, NLP, LLMs (BERT, GPT)

Tools: Excel, SQL, MongoDB, Power BI, Docker, Git, GitHub

Cloud: AWS, Google Cloud, Azure, IBM Watson Studio, Render

Operating Systems: Unix/Linux, Windows.

PROFESSIONAL TRAINING & INTERNSHIP EXPERIENCE

- **AI Intern — Microsoft (via Edunet Foundation & AICTE)**

Apr 2025 – May 2025

Improved ML model accuracy and reliability by 35–40% through advanced preprocessing, feature optimization, and hyperparameter tuning. Worked end-to-end on NLP tasks, including an SMS spam detection system achieving 98% accuracy using TF-IDF and Random Forest with optimized feature extraction and evaluation.

- **Data Analytics Intern - Vodafone Idea Foundation**

Oct 10, 2024 – Dec 8, 2024

Performed end-to-end exploratory data analysis and feature engineering on a 5,190-row healthcare visits dataset to inform service planning and insurance policy insights. Identified key patterns: 44.3% had private insurance, 13.8% received age-based government coverage, and 3.5% received poverty-based coverage. Generated actionable visualizations (correlation heatmaps, age/ gender segmentation, chronic condition vs visits) and automated preprocessing pipelines, improving insight extraction and reporting speed by 40% for stakeholders.

- **AI & Cloud Intern — IBM (via Edunet Foundation)**

Jul 08, 2024 – Aug 05, 2024

Built and deployed end-to-end ML pipelines on IBM Cloud using Watson & AutoAI—achieving R^2 0.98, improving model reliability by 35–40%, and developing conversational AI agents with secure REST endpoints and CI-ready workflows.

PERSONAL PROJECTS

- **Pixora AI: Full-Stack Generative Image Editing SaaS Platform**

[Code](#)

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Built an AI-powered SaaS platform for generative image editing using Next.js, Gemini, Prisma, and ImageKit—boosting processing speed by 40% and cutting user task time by 50%. Designed a secure, monetized system with Stripe Webhooks and NextAuth, enabling 100% automated subscription management and reducing billing failures by 60%.

- **AI Virtual Data Science Mentor**

[Code](#)

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Developed a 3D AI virtual mentor using Next.js, React Three Fiber, and Google Gemini—delivering real-time conversational tutoring in an interactive 3D classroom and improving engagement by 50%.

- **Diamond Price Prediction**

[Code](#)

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Built and deployed an end-to-end ML system to predict diamond prices using regression models (Linear, Ridge, Lasso, ElasticNet), achieving an R^2 score of 0.93. Implemented full data pipelines—ingestion, preprocessing, model selection, saving/loading—and deployed the model via a Flask web app for real-time predictions.

CERTIFICATIONS

- **Backend Development - Pwskills** [Certificate](#)
- **Data Science Tools - IBM** [Certificate](#)
- **Data Visualization with Python - IBM** [Certificate](#)
- **MS Excel - GUVI** [Certificate](#)
- **Python 101 for Data Science - IBM** [Certificate](#)
- **Database Management System 55-hour Infosys Science Graduates Program** [Certificate](#)
- **Programming Fundamentals using Python - Science Graduates 66-hour Infosys Foundation Program** [Certificate](#)