

Adarsh Yadav

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EDUCATION

Loknayak Jai Prakash Institute of Technology

Bachelor of Technology – Computer Science and Engineering | CGPA: 8.17/10

Chapra, Bihar

Aug 2019 – Jul 2023

EXPERIENCE

Outlier.ai

Oct 2024 – Apr 2026

Advanced AI Training Coder (Remote, Freelance)

- Evaluated and refined AI-generated code and text responses to ensure accuracy, logical coherence, and compliance with predefined quality guidelines, directly improving large language model (LLM) output quality.
- Analyzed complex prompts and model outputs to identify performance gaps, enhancing the AI's contextual understanding, code correctness, and response quality across multiple technical domains.
- Delivered structured, high-quality feedback at scale within a distributed remote team, supporting continuous improvement of LLM training pipelines and AI model evaluation workflows.

Polytrophic Services Pvt. Ltd.

Dec 2022 – Feb 2023

Machine Learning Intern

- Developed supervised machine learning models for predictive analysis and multi-class data classification, improving accuracy through iterative feature engineering and hyperparameter tuning.
- Collaborated on end-to-end data pipeline optimization including preprocessing, feature selection, and model evaluation using Python and scikit-learn enhancing pipeline efficiency and model generalization.

PROJECTS

Heart Disease Prediction System | Python, scikit-learn, Pandas, NumPy, Machine Learning

2024

- Built an end-to-end heart disease prediction system using supervised ML algorithms Logistic Regression, KNN achieving over 96% classification accuracy on the Cleveland Heart Disease dataset.
- Conducted comprehensive exploratory data analysis (EDA), feature selection, and preprocessing including missing value imputation, categorical encoding, and feature scaling to reduce overfitting and improve model robustness.
- Evaluated and compared multiple models using cross-validation, ROC-AUC score, confusion matrix, and precision-recall metrics to select the optimal algorithm for clinical risk assessment and decision support.

Journals Application (Backend) | Java, Spring Boot, MongoDB, Spring Security, JUnit

Mar 2025

- Engineered a production-ready Spring Boot backend with RESTful APIs to manage user accounts and journal entries, enabling secure CRUD operations with role-based access control for personalized content management.
- Utilized MongoDB as a NoSQL database, designing optimized schemas and efficient query strategies for journal data retrieval; validated all API endpoints using Postman for seamless performance.
- Integrated Spring Security for robust user authentication, implementing BCrypt password hashing and secure session management to protect user data and ensure system integrity.
- Applied JUnit for comprehensive unit testing, achieving high code coverage across user and journal management modules and ensuring reliable, regression-free deployments.

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, JavaScript

Web Technologies: HTML5, CSS3, Tailwind CSS, Bootstrap, RESTful APIs, Responsive Web Design

Backend Frameworks: Spring Boot, Spring Security, Hibernate, JDBC, JWT Authentication

Machine Learning: scikit-learn, Pandas, NumPy, Supervised Learning, EDA, Feature Engineering, Model Evaluation

Databases: MySQL, MongoDB, Oracle SQL, Query Optimization

Developer Tools: Git, GitHub, Postman, VS Code, Eclipse, Lombok

Core Concepts: Data Structures & Algorithms, OOP, Microservices Architecture, REST API Design, Version Control

CERTIFICATIONS

Generative AI Professional Certificate – IBM	Jan 2025 – Jun 2025
Java Back-End Development – GeeksForGeeks	Aug 2024 – Nov 2024
Java (NPTEL) – IIT	Jan 2022 – Apr 2022
Programming in C/C++ – EICT Academy, IIT Kanpur	Jun 2020 – Jul 2020
Web Development – Internshala	Jan 2021 – Mar 2021

ACHIEVEMENTS

- Qualified **GATE (Graduate Aptitude Test in Engineering)** in Computer Science consecutively in **2024 and 2026**, demonstrating strong proficiency in algorithms, data structures, and core computer science fundamentals.
- Earned the **IBM Generative AI Professional Certificate**, validating applied skills in prompt engineering, large language models (LLMs), and generative AI tools for modern software development workflows.
- Qualified **TCS National Qualifier Test (NQT)** at the **67th percentile**, demonstrating proficiency in technical aptitude, quantitative reasoning, and programming problem-solving.