ABHIJIT JHA

Aspiring Full Stack Developer ‖ CSE(AIML) Undergraduate , West Bengal , India

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EDUCATION

BTech in Computer Science Engineering (AI & ML) Dr Sudhir Chandra Sur Institute of Technology and Sports Complex	CGPA: **8.18/10** 08/2022- 06/2026

Higher Secondary Examination Shree Jain Vidyalaya For Boys	PERCENTAGE:**72/100** 06/2020- 06/2021

Secondary Examination Shree Jain Vidyalaya	PERCENTAGE:**85.57/100** 01/2017- 03/2018

SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Web Technologies:** HTML, CSS, React.js, Tailwind CSS
- **Frameworks & Libraries:** Spring Boot, Spring Security, Node.js, Express.js
- **Databases & Caching:** MongoDB, SQL, Redis, basic exposure to vector databases
- **Core Concepts:** OOP, DBMS, SDLC, Java Collection Framework, Machine Learning
- **AI/ML Tools:** LangChain**,** NumPy, Pandas, Matplotlib, Seaborn
- **Developer Tools & Protocols:** Git, GitHub, REST API, JWT, Maven, Postman

PROJECTS

1. **QuickFix_Hub – MERN-Based Home Services Platform** · **[** *preview* **] [** *GitHub* **]**
   - Built a full-stack home services platform (MERN) to help users discover, book, and manage trusted providers.
   - Implemented secure authentication/authorization with role-based access for users and providers.
   - Designed provider profiles, availability management, and booking workflows tested with real scenarios.
   - Deployed on Render with CI/CD, backed by ~200 commits, ensuring reliability and production readiness.

2. **Enterprise-Grade Journaling API** · **[** *GitHub* **] [Tech Stack: Java, Spring Boot, Spring Web, Spring Security, MongoDB, Redis, JWT, Project Lombok, Maven]**
   - Architected a secure and scalable backend with **JWT-based authentication** and **Spring Security**.
   - Implemented **Redis caching** to store Weather API responses, reducing latency and improving performance.
   - Delivered **RESTful APIs** for user, journal, and weather data with a clean, service-oriented architecture.

3. **SMS Spam Classification with Scikit-learn & Gensim** · **[** *GitHub* **]**
   - Built a **text classification pipeline** to detect spam SMS using **BoW, TF-IDF, and Word2Vec embeddings**.
   - Implemented advanced **NLP preprocessing** (stopword removal, stemming, lemmatization) with nltk.
   - Trained and compared **Multinomial Naive Bayes** and **Random Forest** classifiers, achieving **98.3% accuracy** on test data.
   - Showcased trade-offs between **frequency-based models** and **semantic embeddings** for real-world spam detection.

ACHIEVEMENTS

- Authored and published "*Multimodal Web Design Automation: Structural Benchmarking and Content Generation with AI*" in *JCSIR Journal(Journal of Computer Science and Engineering in Innovations and Research) (Vol. 1, Issue 2, Jan –June 2025)*.

- Received *Best Paper Award* for "**Multimodal Web Design Automation: Structural Benchmarking and Content Generation with AI**" at *RAICCIT 2025, JIS University*.

- Solved **300+ algorithmic problems** across major coding platforms **[PROFILE LINKS** : *LeetCode, GeeksforGeeks, Code360 by CN*]

WORK EXPERIENCES & TRAININGS

- Completed 30-hour training program on MongoDB at Euphoria GenX in March 2025.
- Completed Java Programming internship at InternPe from December 2024 to January 2025.