ADITYA PANDEY

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SKILL SUMMARY

Technical Skills : C , C++ ,Python , Java , SQL , JavaScript, CSS, HTML
Tools : SQL Workbench , Excel ,Git , Github , Tableau , Mathematics
Framework : RMarkdown , MongoDB
Relevant Coursework : Database Management System, Software Engineering; Operating Systems; Algorithms;

WORK EXPERIENCE

AI TRAINER
Outlier AI
Remote
October 2024 - December 2024
- Trained AI models across various domains, including programming, analytics, and related fields.
- Responsible for evaluating responses from other reviewers and AI engines.
- Responsible for debugging and enhancing responses generated by AI engines.

PROJECTS

SMART DICTIONARY SYSTEM | C++, TRIE & BINARY SEARCH TREE
December 2024
- Engineered an interactive command-line dictionary using Trie for real-time word suggestions and BST for synonym lookups.
- Implemented a custom Dictionary class, achieving faster data retrieval compared to a linear search method.
- Revolutionized Binary Search Tree operations, reducing average lookup, insertion, and deletion times to $O(\log n)$

CAREER COUNSELING PORTAL | JAVA , GEMINI API
June 2024
- Designed a Career Counseling Portal using Java and RESTful APIs during Smart India Hackathon 2024, serving 500+ users during the event.
- Optimized prompts and user context based on selections, improving accuracy by 25%.
- Thoroughly tested and documented the system, achieving 95% uptime during live usage.

WORKING WOMEN AD INSIGHTS | R, R_MARKDOWN, EXCEL, TABLEAU
September 2024
- Curated and preprocessed social media ad performance data to analyze targeting patterns for working women demographics.
- Applied clustering and classification models to extract actionable insights, increasing ad ROI prediction accuracy by 87%.
- Visualized segmentation patterns and keyword impact using Tableau dashboards to guide gender-aware marketing strategies.

ACTIVITIES

SMART INDIA HACKATHON | PARTICIPANT
September 2024 - October 2024
- Optimized the user interface and debugged critical application issues, enhancing system usability by 25%
- Led data collection and preprocessing, contributing to the development of an interactive dashboard with graphs and charts that increased user engagement by 40%

TECHNICAL LEAD | TEAM 7 LPU
September 2023 - Present
- Managed data collection and form submissions for 20+ events, including hackathons, by developing online interactive forms
- Spearheaded event operations, coaching 25+ juniors on Git, GitHub, and relevant technological tools

CERTIFICATIONS

- Competitive Coding (Programming Pathshala) Data — June 2024
- Structures and Algorithms in Java(Cipher School) R — January 2024
- Programming (Coursera) Hardware and operating System — April 2023
- Essential IBM (Coursera) — October 2022

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY
Phagwara, Punjab
Expected July 2026
Bachelor of Technology Major in Computer Science |
Cumulative GPA: 8.45/10

ARMY PUBLIC SCHOOL
Prayagraj, Uttar Pradesh
2021-2022
Senior Secondry Education|
Grade: A