Akash Kumar Singh

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Professional Summary

Motivated B.Tech student in Computer Science specializing in AI/ML with a strong foundation in front-end development and Data Structures & Algorithms. Experienced in building practical applications, including an AI-driven MCQ generator with 90% relevance accuracy and a crop insurance claim portal that reduced manual errors by 70%. Seeking a challenging role to apply these skills and contribute to innovative technology solutions.

Education

Kalasalingam University   *B.Tech. in Computer Science and Engineering, 2022 – 2026*
CGPA: 8.34
H.D. Jain College   *Intermediate, Bihar Board, 2018 – 2020*
Score: 87.5%
Sambhawana Residential High School   *Matriculation, CBSE Board, 2017 – 2018*
Score: 92%

Technical Skills

Languages: C++, Java, JavaScript, Python
Web Development: HTML, CSS, JavaScript, Node.js, Express.js
Databases: MongoDB, MySQL
Libraries & Tools: Pandas, NumPy, Git, VS Code
Cloud & Platforms: Oracle Cloud, basic AWS
Concepts: Full Stack Web Development, Data Structures and Algorithms, Artificial Intelligence, Machine Learning

Projects

MCQ Generator from PDFs   GitHub
- Developed a Python-based quiz generator extracting MCQs from PDFs.
- Integrated NLP and PDF parsing with a JavaScript frontend, achieving 90% relevance accuracy.

AI-Based Crop Insurance Claim System   GitHub
- Built a full-stack web portal for farmers using Node.js and MongoDB.
- Implemented admin review and status tracking, reducing manual errors by 70%.

Portfolio Website   GitHub
- Created a responsive personal portfolio using HTML, CSS, and JavaScript, deployed via GitHub Pages.

Student Management System (Java)   GitHub
- Designed a Java-based CLI application for managing student records with CRUD operations.

Experience

Technical Practice and Independent Projects   *Ongoing*
- Solved 100+ Data Structures and Algorithms problems on LeetCode and GeeksforGeeks.
- Designed small-scale web apps using React/Node.js and developed CLI mini-projects.
- Used Git for version control and collaborated on open-source initiatives via GitHub.

Certifications

- Oracle Cloud Infrastructure 2023 Certified Architect Associate – Oracle
- Design and Analysis of Algorithms – CodeChef
- Database Management System – CodeChef
- SQL Using MySQL Database – Udemy
- Tata Group Data Analytics Job Simulation – Forage

Achievements

- Secured 2$^{\text{nd}}$ place in IBM Ice Day Coding Competition.
- Active contributor to open-source and social impact repositories on GitHub.
- Completed Tata Group Data Analytics Job Simulation (Forage), involving AI-powered data analytics to assess data quality, propose a no-code predictive model for customer delinquency risk, and design an AI-driven collections strategy.