Akash Deep Kumar

 ad8034 | Akash Deep Kumar | ad046785@gmail.com | +91 7782805327

SUMMARY

Motivated Computer Science Engineering student specializing in backend development and AI/ML applications. Skilled in Python, C++, and database-driven systems with a proven record of delivering projects that achieve 90%+ accuracy and 25%+ performance gains. Passionate about problem-solving, scalable software design, and building impactful applications.

PROJECTS

SMS Spam Classification   Python, Naive Bayes, Decision Tree
– Engineered a machine learning model with 95% accuracy, classifying spam vs. ham messages.
– Processed and analyzed 5,000+ SMS records, enhancing filtering efficiency.
– Optimized preprocessing pipeline to reduce data noise by 20%, improving reliability.

Lymphography Disease Prediction   KNN, Decision Tree, Random Forest
– Developed an ML system achieving 92% prediction accuracy for medical data.
– Applied ensemble learning techniques, cutting false positives by 15%.
– Integrated explainable AI (SHAP,LIME,DALEX) to improve medical interpretability.

Student Management System   Python, MySQL
– Built a CRUD application managing 100+ student records seamlessly.
– Improved query response speed by 25% with optimized SQL design.
– Added secure login & update features, boosting system reliability.

EDUCATION

B.Tech in Computer Science & Engineering, **University of Engineering and Management, Jaipur** (2022 - 2026)   CGPA: 7.4

XII (2022)   76%

SKILLS

Languages	C, C++, Python
Web Development	HTML, CSS, JavaScript
Databases	MySQL
Tools & Platforms	Flask, Git,
Core CS Concepts	DSA, OOP, OS, DBMS
Other	Typing Speed – 70 WPM

ACHIEVEMENTS & EXTRACURRICULARS

- Secured 8th rank in AceHack 4.0 Hackathon among 100+ teams.
- Strong communication and teamwork skills demonstrated in group projects.