PRAKHAR SHUKLA

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EDUCATION

B.Tech in Computer Science and Engineering
JAIN UNIVERSITY, BENGALURU, KARNATAKA
(Aug 2022 - Present)

12th Grade - Science Stream
YUGANTAR PUBLIC SCHOOL
(YOP - 2022)

CBSE - 10th Grade
YUGANTAR PUBLIC SCHOOL
(YOP - 2020)

SKILLS

TECHNICAL SKILLS
- **Programming Languages:** Python, JavaScript
- **Web Development:** Front-End Development (HTML, CSS, JavaScript)
- **Databases:** MongoDB
- **Software Development:** Object-Oriented Programming, RESTful APIs, Git & GitHub
- **Data Structures & Algorithms:** Proficient in implementing efficient algorithms and solving coding problems
- **Core Concepts:** Data Structures, Machine Learning (Basics), Cloud Computing, Cybersecurity

SOFT SKILLS
Cross-functional Communication | Analytical Thinking | Adaptability & Quick Learning

PROJECTS

SPAM SMS CLASSIFIER
- **Developed a Spam SMS Classifier using Python, scikit-learn, and NLP** techniques to automatically detect and categorize spam messages.
- Implemented robust **data preprocessing** and feature extraction (**tokenization, stopword removal, TF-IDF vectorization**) to prepare over 5,000 labeled SMS samples for training and testing.
- Built and optimized a **Naive Bayes–based machine learning pipeline**, achieving 95% precision and 93% recall, ensuring reliable spam detection performance.

EVENT MANAGEMENT PLATFORM
- **Developed a full-stack event management platform** with HTML, CSS, JavaScript, and MongoDB, serving **100+ users** for city-wide event registrations.
- **Optimized registration flow**, reducing processing time by **40%** with dynamic front-end and real-time MongoDB integration.
- **Improved system performance and engagement**, achieving **95% faster page loads** and **30% higher user retention** compared to static solutions.

MENTORSHIP PLATFORM
- **Developed a full-stack mentorship platform** with HTML, CSS, JavaScript, and MongoDB, enabling **50+ users** to connect with mentors across diverse domains.
- **Implemented real-time mentor discovery and scheduling**, reducing response time by **60%** and improving accessibility for remote users.
- **Designed and optimized a responsive UI**, increasing engagement by **35%** and ensuring seamless access across devices.

CERTIFICATIONS

- **MySQL for Data Analytics & Business Intelligence— Coursera (Nov 2024)**
- **Get Started with Machine Learning — Google (Aug 2024)**
- **Cybersecurity for Everyone — (Feb 2025)**
- **Effective Problem-Solving and Decision-Making — (Dec 2022)**