LAKSHITA GUPTA
ML ENGINEER/SOFTWARE/WEB DEVELOPER

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SUMMARY

Dynamic web developer specializing in full-stack development with a focus on AI integration, currently transitioning into a machine learning engineer role. Expertise includes the MERN stack, Machine Learning, Deep Learning, and NLP, utilizing a variety of advanced tools. Committed to creating scalable, user-centric products that drive innovation and meet evolving market demands.

EXPERIENCE

Frontend Developer, Edunet Foundation (Remote)   Aug 2025–Sep 2025

- Implemented modern frameworks, enhancing development speed by 40%.
- Crafted responsive web designs that boosted user engagement by 30%.
- Integrated APIs seamlessly, enriching user experience with dynamic content.
- Streamlined codebase by refactoring UI/UX for improved performance and maintainability.
- Utilized version control tools like Git to manage code effectively within a team environment, reducing merge conflicts and fostering collaboration.

SDE Intern, BLUESTOCK FINTECH (Remote)   July 2025 - Aug 2025

- Cutted page load by ~18% via code-splitting and lazy loading.
- Built and tuned Node.js endpoints; indexed PostgreSQL queries to reduce API latency ~28% and lower error rate by ~20%.
- Secured access with JWT auth, and strict input validation, eliminating auth-related QA defects.
- Created 12+ reusable UI components and added unit/API tests (Postman), reducing regressions in CI by ~30%.
- Streamlined Git workflows (branch strategy) to speed up reviews.

PROJECT

1. EMPLOYEE ATTRITION RISK PREDICTION
   https://github.com/lakshita-01/Employee_Attrition_Risk_Analysis.git.

- Analyzes the HR data of over 1k+ rows (Kaggle dataset) & identifies complex patterns in demographics, compensation, and satisfaction that lead to attrition.
- High ROC-AUC value: The model can distinguish between employees who will attrite vs who won't with 82.7% accuracy.
- High Performance ML: Uses calibrated XGBoost model for better prediction accuracy.
- Interactive Dashboard: Streamlit-based UI for easy scenario testing by non-technical HR managers.
- Pre-processing Pipeline: Robust handling of categorical data and feature scaling.

2. E-COM WEBSITE
   https://github.com/lakshita-01/e-com-website

- Designed and built a responsive e-commerce platform enabling product discovery, purchase, and admin management.
- Implemented secure user registration/login and role-based access control.
- Developed product catalog with details, search/sort, and filters.
- Built shopping cart and checkout flow; created admin panel to manage users, products, and orders.

3. IPO WEBAPP
   https://github.com/lakshita-01/ipo-webapp

- Built a responsive IPO listing interface using Django, React and Tailwind CSS.
- Consumed REST APIs to display live data with search, sort, filters, and pagination.
- Created modular components and client-side caching to improve navigation and UX.
- customised admin dashboard for easy CRUD operations

EDUCATION

Bachelor Of Technology (Computer Science & Engineering))
   Guru Gobind Singh Indraprastha University   Jul 2023–May 2027

SKILLS

- LANGUAGES: C++, PYTHON
- DATABASE: MY SQL, Postgres SQL, MongoDB
- WEB TECHNOLOGIES: HTML/CSS, React, Node/Express.js, REST API
- CONCEPTS: OOPs, Data Structures
- VERSION CONTROL: GIT, GITHUB
- MACHINE LEARNING: Supervised & Unsupervised Learning, Model Evaluation, Feature Engineering
- DEEP LEARNING: Neural Networks, CNNs (basic), Transfer Learning
- NLP: Tokenization, TF-IDF, Word Embeddings
- FRAMEWORK: Scikit-learn, TensorFlow / PyTorch, NumPy, Pandas, Matplotlib
- TOOLS: POSTMAN, VS CODE, STREAMLIT
- INTRAPERSONAL: Communication, Time Management, Adaptability, Problem-Solving, Emotional Intelligence
- INTERPERSONAL: Teamwork, Conflict Resolution, Leadership, Collaboration, Training

ACHIEVEMENTS

- Won Third position in Hack&Chill Hackathon
- Open-source contributor at Gssoc'25 and OSCG'26
- Participant in the GDG on Campus Solution Challenge powered by Hack2Skill
- Oracle Certified Gen AI Professional Certificate
- Develop GenAI Apps with Gemini and Streamlit Skill Badge
- Completion Certification for Gen AI Exchange Program by Google Cloud
- Postman API Fundamentals Student Expert certification
- A1 certificate holder in German language.