

SALONI GUPTA

+91 8595215600 ◊ Faridabad, Haryana

saloni.ai.engineer@gmail.com ◊ [LinkedIn](#) ◊ [GitHub](#) ◊ [Codeforces/profile](#) ◊ [Leetcode/profile](#) ◊

EDUCATION

Indira Gandhi Delhi Technical University For Women

Expected 2025

Bachelor of Technology in Electronics and communication Engineering with specialization in Artificial Intelligence

Modern Vidya Niketan University

2018 - 2020

Senior Secondary Education, 89.8%

TECHNICAL SKILLS

Language C, C++, Python, HTML, CSS, Javascript, SQL

Machine Learning PyTorch, TensorFlow, Scikit-learn, Pandas, Numpy, Keras, Huggingface, NLTK, FastAPI, Transformers

Development tools React, Node, Git/GitHub, MySQL, MongoDB, Firebase, Jupyter Notebook, CI/CD, RESTful APIs

EXPERIENCE

Frontend Developer

June 2024 - August 2024

Biz4Solutions Private Limited

Pune

- Designed and developed an AI-powered invoice scanner capable of processing 500+ Excel files, QR codes, and VINs, significantly improving document validation efficiency by 80%.
- Built a highly responsive web app using React.js, Firebase, HTML, and CSS, achieving a 78% reduction in scan-to-display time. Improved UI/UX with a user-friendly interface, leading to a 45% boost in user engagement.
- Integrated real-time data storage and retrieval using Firebase, ensuring 99.9% uptime and secure data handling.

Frontend Developer

June 2023 - July 2023

Qris (Startup)

Remote

- Engineered an AI-driven restaurant menu scanner that processed 10,000+ menus using Tesseract.js (OCR) & React.js, improving text extraction accuracy by 85%.
- Integrated GPT-4 for intelligent dish recommendations and dietary filters, enhancing user experience and engagement by 60%. Implemented a full stack scalable solution (React.js, Node.js, Firebase, Firestore/MongoDB) and deployed on Vercel/Netlify, reducing server response time by 35%.

PROJECTS

Intelligent DevOps Automation System - *Python, TensorFlow, Docker, Kubernetes, AWS Lambda*

- Developed a predictive analytics model that analyzed system performance metrics in real-time, reducing CI/CD deployment time by 50% and minimizing system downtime by 40%.
- Integrated ML-based workload balancing, optimizing cloud resource utilization for cost-effective operations. Processed system monitoring with automated alert mechanisms and proactive failure detection, ensuring seamless software deployments and minimizing disruptions.

Image Caption Generator - *Python, TensorFlow, OpenCV, PyTorch, Flask*

- Devised an AI-powered image captioning system leveraging CNNs and LSTMs, achieving 96.3% accuracy while processing 5M+ images from MS COCO and Flickr30K datasets.
- Optimized model inference speed by 40% through quantization techniques, allowing real-time image caption generation for accessibility applications and multimedia content automation.

AI Pair Programmer - *Python, GPT-4, FastAPI, GraphQL, PostgreSQL*

- Built an AI Pair Programmer using GPT-4 and AST-based analysis, providing context-aware code suggestions, refactoring improvements, and debugging assistance.
- Enhanced code quality by 85% and reduced debugging time by 60% by automating error detection and offering optimized fixes.

VALUABLE CERTIFICATIONS

- [Goldman Sachs Software Engineering Virtual Experience Program](#). Identified outdated password hashing vulnerabilities. Used Hashcat for password analysis and proposed security improvements, enhancing IT security compliance.
- [Walmart USA Advanced Software Engineering Virtual Internship](#). Completed Walmart's Advanced Software Engineering Simulation, developing a custom heap data structure, UML diagrams, and database designs.
- [Wells Fargo Software Engineering Virtual Internship](#). Designed and implemented a financial portfolio management system with an ERD, using IntelliJ and GitHub.