

SALONI GUPTA

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EDUCATION

Indira Gandhi Delhi Technical University For Women

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

Expected 2025

Modern Vidya Niketan University

Senior Secondary Education, 89.8%

2018 - 2020

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

Biz4Solutions Private Limited

June 2024 - August 2024

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

Qris (Startup)

June 2023 - July 2023

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.