Shubham Gupta

B.Tech AIML | Machine Learning Engineer | Data Analyst | Software Developer Engineer

CONTACT

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EDUCATION

MCKV Institute of Engineering (2021–Present)
B. Tech in Artificial Intelligence and Machine Learning
CGPA: 9.37

Maria's Day School (2012-2021)
Council for Indian School Certificate Examinations
12th Percentage: 82.67%
10th Percentage: 76.80%

SKILLS

TECHNICAL SKILLS:

Languages: Python, Java, C, JavaScript
AIML & Deep Learning: TensorFlow, PyTorch, Keras, Scikit-Learn, OpenCV, Semantic Segmentation, Object Detection, NLP
Deep Learning Models: GANs, Transformer Models, RNN, CNN, YOLO
Data Science & Analytics: Data Mining, Data Engineering, Advanced Data Analysis, SDLC
Databases: MySQL, SQL, MongoDB, MongoDB Atlas, Firebase, PostgreSQL, SQLite
Web Development: Node.js, React.js
Cloud & DevOps: Google Cloud AI, Azure Cognitive Services, Azure ML, Docker, Git, Vercel, Streamlit

SOFT SKILLS:

Problem-Solving, Adaptability, Collaboration, Communication, Leadership, Time-Management, Critical Thinking, Decision-Making, Technical Documentation & Report Writing

PROJECTS

VyomAI – Smart Multimodal Chatbot (AI, LLM)
Oculus – Innovative Smart Glass (Computer Vision, Metaheuristic Optimization)
IntelliScan – OCR-Based Document Search Engine
Innovative Realtime Human Detection using GB-Mask (Image Segmentation, Deep Learning, YOLO)
Realtime Object Detection using YOLO
HealthTrack - Disease Prediction Model (Data Science, ML, Streamlit)
Sentiment Analysis on Food Review (NLP, LSTM, RNN, Transformers)
Image-Studio - Image Processing Tool (Tools)
Pulse.exe - Event Web Page (Web Development)
Attenda - Attendance App (Software Development)

ABOUT ME

Dedicated and enthusiastic individual with a robust educational background and hands-on experience in data analysis and software quality assurance. Pursuing a B. Tech degree in Artificial Intelligence and Machine Learning, with a passion for advancing AI and ML technologies. Focused on delivering high-quality results through continuous learning in a rapidly evolving field.

EXPERIENCE

Summer Intern

Damodar Valley Corporation (DVC), Training & Development Department | JULY 2024 - SEPTEMBER 2024

- Developed a search engine for circulars, leveraging OCR (Optical Character Recognition) to extract and index key information from scanned PDFs with 92% text recognition accuracy.
- Implemented a citation system for structured indexing, enhancing document accessibility and searchability, leading to a 35% faster retrieval process.
- Optimized the OCR pipeline using NLP-based text refinement, improving the accuracy of extracted regulatory and compliance-related documents in the energy and power sector.

Data Analyst Intern

IBM SkillsBuild | JUNE 2023 - JULY 2023

- Developed the "HealthTrack - Disease Prediction Model", utilizing machine learning algorithms to predict disease outcomes with an accuracy of 85%.
- Utilized advanced data analysis techniques and data visualization tools (Tableau, Power BI) to derive actionable insights, enhancing healthcare decision-making and improving report clarity by 20%.

Technical Head, Organizing Committee

Pulse.exe, IT Department, MCKVIE | JULY 2023 - AUGUST 2023

- Led the development of a full-fledged React JS website for the annual technical event, significantly improving student engagement through an enhanced user interface and interactive web elements.
- Enhanced UI/UX and performance, increasing user interaction by 30%, focusing on user-centric design and interactive UI components.

LANGUAGES

ENGLISH, HINDI, BENGALI

ACHIEVEMENTS

- **Winner** – Intra-Institutional Business Plan Competition 2025 (MCKVIE) (**11.04.2025**)
- **Conference Paper** – ICIA 2024: Second International Conference on IoT and its Application (**22.06.2024**)
- **Winner** – ACM India East & N.E. Bachelor Dissertation Award / Tech Project Contest 2024 (**04.05.2024**)
- **2nd Position** – Innovative Idea Contest, Pragati 2024 (MCKVIE) (**06.03.2024**)