



SHIVAM SINGH

New Delhi, India

📞 7838984624 ✉️ ss93134041@gmail.com  www.linkedin.com/in/shivam-singh-81b160280  <https://github.com/shivamsinghtomar78>

Education

Maharaja Agrasen Institute Of Technology

Sep. 2023 – May 2027

Bachelor of Technology in Computer Science with Artificial Intelligence

New Delhi, Delhi

Relevant Coursework

- Data Structures
- Database Management

Experience

AICTE Internship on AI: Transformative Learning with TechSaksham

Feb 2025 – Mar 2025

Microsoft & SAP | AICTE | Edunet

Software Engineer Intern

Delhi, India

- Developed an AI-based project prototype under Microsoft & SAP-AICTE mentorship.
- Engaged in collaborative learning, industry-led sessions, and project-based training.
- Earned certifications and presented the project to industry experts at a regional showcase.

Aspire Leaders Program 2025

Jan 2025 – Present

Aspire Institute

Delhi, India

- Selected for a prestigious global leadership program focused on personal and professional growth.
- Engaged in interactive modules, mentorship, and community-driven learning experiences.
- Developed leadership skills through structured coursework, workshops, and peer collaboration.

Projects

Fake News Detection Chrome Extention | [here](#)

Feb 2025

- A Chrome extension that analyzes news articles in real-time
- Combines local text analysis with backend verification.
- Helps users identify *sensationalism, lack of citations, and date of publish.

Movie Matrix 2.0 – Cyberpunk Movie Recommendation System | [here](#)

Python | Streamlit | NLP | TMDB API

Feb 2025

- Built a content-based movie recommendation system using NLP, cosine similarity, and Porter stemming.
- Designed a cyberpunk-themed UI with real-time TMDB poster integration, interactive movie cards, and neon animations
- Engineered a 5000+ movie dataset with metadata-driven filtering for personalized recommendations.

Fake News Detection System | [here](#)

Flask | Scikit-Learn | Javascript /HTML/CSS

Jan 2025

- Developed a machine learning-powered web app to detect fake news in real-time.
- Implemented Flask backend with Scikit-Learn model for text classification using TF-IDF & Logistic Regression.
- Designed a modern UI

Student Placement Prediction System | [here](#)

Streamlit | Scikit-Learn | Python | Pickle

Feb 2025

- Built a web app to predict student placement likelihood based on CGPA and IQ using a pre-trained machine learning model.
- Integrated a scaler for input normalization and deployed the model using Streamlit for seamless user interaction.
- Designed an intuitive interface with real-time predictions and clear success/error feedback for placement outcomes.

Chat With PDF - AI-Powered Document Analyzer | [here](#)

Python | Streamlit | LangChain | Google Gemini

- Built an intelligent PDF analysis and chat system using Google Gemini 1.5 Pro and LangChain for document processing and conversational AI.
- Implemented RAG (Retrieval-Augmented Generation) architecture with FAISS vector database and HuggingFace embeddings for semantic document search and context-aware responses.
- Designed a cyberpunk-themed UI with glassmorphism effects, neon animations, and gradient styling for enhanced user experience.

- Integrated structured data extraction using Pydantic models to generate key points and summaries with automated PDF/Word report generation capabilities.
- Engineered real-time document chunking, embedding storage, and similarity search for accurate question-answering from uploaded PDF content.

Blood Cell Detection System | [here](#)

Python | Streamlit | YOLOv10 | OpenCV | Plotly

- Developed an AI-powered blood cell detection system using YOLOv10 for real-time identification of RBCs, WBCs, and Platelets in blood smear images.
- Implemented computer vision pipeline with OpenCV for image preprocessing and YOLO model integration for object detection with confidence scoring.
- Built interactive web application with Streamlit featuring tabbed interface, real-time visualizations using Plotly, and comprehensive cell count analytics.
- Engineered automated result processing with bounding box visualization, statistical analysis, and CSV export functionality for medical data analysis.
- Designed responsive UI with custom CSS styling, metric cards, color-coded cell type badges, and professional medical application aesthetics.

Kanoon ki Pehchaan - AI-Powered Legal Assistant Platform | [here](#)

Python | Streamlit | Firebase | MySQL | LangChain | Google Gemini

- Developed a comprehensive legal assistance platform integrating Firebase authentication, MySQL database, and Google Gemini AI for Indian law consultation and document analysis.
- Implemented multi-page web application with user/lawyer profiles, real-time legal chat system, and RAG-based document summarization using LangChain and FAISS vector storage.
- Integrated Indian Kanoon API for real-time legal case retrieval and structured legal analysis using Pydantic models for query processing and response formatting.
- Built lawyer-client connection system with profile management, document upload capabilities, and automated PDF/Word report generation for legal document analysis.
- Designed cyberpunk-themed responsive UI with glassmorphism effects, gradient animations, and multi-tab navigation for enhanced user experience across different user roles.

Technical Skills

Languages: Python, Java, C, SQL, C++

Developer Tools: VS Code, Pycharm, IntelliJ IDEA, Postman, Git/Github

Systems/Backend: OOP, Linux/Unix Environments, Networking Fundamentals, Machine learning

FrameWork: Flask, Streamlit, Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn

Achievements

Finalist HackTu 6.0

Feb 2025

- Developed a Chrome extension for real-time fake news detection using HTML, CSS, JavaScript, and Python.

OPEN SOURCE CONTRIBUTOR, Girl Script Summer of Code

May 2024 – Aug 2024

- Contributed to real-world projects, enhancing my coding skills and understanding of collaborative development dynamics.