

Shagun Shukla

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Career Objective

Motivated and detail-oriented B.Tech Information Technology graduate with strong programming and problem-solving skills. Proficient in key skills like Python, C++, and MySQL and passionate about developing scalable software solutions. Seeking to leverage my technical expertise and enthusiasm for innovation in your company.

Skill Summary

- Programming Languages: Proficient in C, C++, and Python; familiar with Java and JavaScript.
- Web Development: Hands-on experience with HTML, CSS, JSP, and basic React.js.
- Database Management: Knowledge of MySQL, Oracle.
- Operating Systems: Proficient in Windows and Linux environments.
- Tools and Platforms: Git, Pycharm, Google Colab, Visual Studio Code, Jupyter.
- Core Concepts: Strong understanding of Data Structures and Algorithms, Object-Oriented Programming (OOPs), and Operating Systems.
- Machine Learning: Basic understanding of ML models and frameworks like TensorFlow or PyTorch.

Education

Pranveer Singh Institute of Technology, B.Tech in Information Technology Nov 2021 – May 2025

- GPA: 7.5/10.0

• **Coursework:** Data Structure, Comparison of Learning Algorithms, Software Engineering

Sri Ram Education Centre, Panki, Intermediate

April 2020 – May 2021

- Percentage: 88.6

• **Coursework:** Physics, Chemistry, Mathematics.

Experience

Data Analyst Intern, Zidio Development – Remote

March 2024 – June 2024

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Projects

Medical Image Segmentation

- a machine learning-based system to detect pneumonia from chest X-ray images. Utilized deep learning techniques with convolutional neural networks (CNNs) for image classification, achieving 0.90 accuracy. Preprocessed medical datasets to enhance model performance.
- Tools Used: Python, TensorFlow/Keras, and OpenCV.

Multi Cancer Detection System

- Designed and implemented a transformer-based deep learning model for detecting multiple cancer types from medical images. Preprocessed large-scale datasets to improve model performance and ensure data integrity. Achieved 0.85 accuracy in classification across various cancer categories.
- Tools Used: Python, Tenserflow, Tinkter, Vision transformer.