DIVYANSH SAXENA

https://divyanshsaxena1978.wixstudio.com/portfolio| github.com/divyanshsaxena21 |
divyansh_saxena@yahoo.com | Kanpur, India | 7017759125
linkedin.com/in/divyansh-saxena-84985724a/

Summary

Aspiring **Software Development Engineer** skilled in **software design**, **data structures**, and **algorithms**. Eager to build scalable and efficient systems to solve real-world challenges, contribute to impactful projects, and grow through collaboration, effective communication, and continuous learning in a dynamic, technology-driven environment.

Education

Pranveer Singh Institute of Technology *(Affiliated to Dr. A.P.J. Abdul Kalam Technical University - AKTU)* 2022–2026
Bachelor's Degree in Computer Science Engineering | CGPA: 7.85 Kanpur, India

Air Force School, Chakeri 2020-2021
Intermediate | Percentage: 95% Kanpur, India

Air Force School, Chakeri 2018-2019
High School | Percentage: 90.4% Kanpur, India

Skills

- **Languages:** Python, C++, Java, C#, JavaScript
- **CS Fundamentals:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Networks
- **Full Stack Development:** HTML, CSS, React.js, Next.js, Node.js, REST APIs
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **DevOps & tools:** Docker, CI/CD, RabbitMQ, Git, GitHub, Postman, VS Code
- **AI ML Framework:** Tensorflow, Pytorch, Scikit-learn, Keras, LangChain, LangGraph
- **Data and Visualization:** Pandas, Numpy, Matplotlib, Seaborn, PowerBI

Publications

Neural-Based Adaptive Deanonymization of Blockchain Transactions in Peer-to-Peer Networks, SN Computer Science (Springer), Submitted; proposes a deep learning framework for detecting anomalous and potentially fraudulent blockchain transactions while preserving network efficiency.

Experience

Full Stack Developer Intern — The Singh Studios (Remote, 4-Month Technical Internship) May 2025 – Sep 2025

- Designed full-stack architecture with **Next.js** and **Firebase**, boosting speed by 35% and engagement by 40%.
- Implemented **JWT** authentication and role-based access, reducing unauthorized access by 30% and latency by 20%.
- Optimized ML-driven recommendation engine, cutting retraining and deployment time by 50%.

Projects

ML-Auto-Pipeline – Auto ML Pipeline (GitHub | Live) Oct 2025 – Present

- Developed **AutoML** pipeline automating preprocessing to deployment, reducing effort by **70%**.
- Enhanced model accuracy by **25%** via automated tuning and selection.
- Optimized workflow for **40%** faster execution and scalable performance.

Terminal Serpant – Terminal Snake Game (GitHub) Oct 2025 – Oct 2025

- Built a cross-platform Snake game in **C++** with smooth, flicker-free terminal rendering.
- Implemented non-blocking input and modular builds using **CMake/Makefile**.
- Optimized game loop and collision logic for fast and stable performance.

Bin-IT – Waste Management System (GitHub | Live) Mar 2025 – Apr 2025

- Built a full-stack waste classification system using **React** (frontend) and **Flask** (backend).
- Integrated **Deep Learning** model for image recognition, achieving 85%+ accuracy in sorting recyclables.
- Managed data with **MongoDB** and deployed the app on **Vercel** for scalable performance.

Certificates

- Python, Flask, Django– Udemy Oct 2025
- Problem Solving – HackerRank Jan 2024
- Introduction to MongoDB – MongoDB University Dec 2023

Achievements

- Achieved **1600+** rating on Leetcode (Divyansh_Saxena)
- **Ranked in top 20% among 25,000** participants in HackWithIndia, showcasing strong technical skills.
- **Ranked in top 5% in national ML competition** on smart water monitoring using real-world data.