

Swana Dev

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Full-Stack Developer with a strong foundation in web development and a creative approach to building user-centric applications. Skilled in developing end-to-end solutions with experience in modern frontend and backend technologies. Passionate about leveraging AI/ML concepts to enhance application functionality and improve user experiences. Eager to innovate and solve real-world problems through technology.

SKILLS

Languages: C, C++, Java, Python, JavaScript

Framework & Libraries: React.js, Node.js, Tailwind, Scikit-learn, Pandas, NumPy, TensorFlow

Database: MySQL

Tools & Frameworks: Git, GitHub, Bitbucket, FastAPI

IDE & Editors: Jupyter Notebook, Visual Studio Code, NetBeans

EDUCATION

B.Tech. CSE

CGPA: 8.67

Amity University, Noida | 2022 – 2026 (Ongoing)

Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming

XII (CBSE)

Percentage: 95.60

MDS Public School, Udaipur | 2022

X (CBSE)

Percentage: 94.80

Rockwoods High School, Udaipur | 2020

PROJECTS

Wildlife Image Classification [Technologies Used: Python, TensorFlow/Keras, ResNet, Transfer Learning]

- Developed and deployed a wildlife image classification model using Python, TensorFlow, and ResNet, achieving high accuracy through transfer learning and optimized preprocessing pipelines.
- Enhanced model robustness through data augmentation strategies, hyperparameter optimization, and implementation of automated evaluation metrics for systematic performance tracking and validation.

CampusHub [Technologies Used: React.js, HTML, CSS, JavaScript]

- Developed a student portal for accessing previous years' question papers by year, subject, and semester using React UI development and component-based architecture.
- Enhanced user experience and accessibility by implementing search and filter features, optimizing frontend performance, and ensuring cross-device compatibility using responsive design principles.

WORK EXPERIENCE

Software Development Intern

Magna Yuma Pvt Ltd

May 2025 – June 2025

- Engineered full-stack web applications using FastAPI, React, SQLAlchemy, and MySQL, implementing RESTful API architecture, data visualization dashboards, and role-based access control for secure user authentication.
- Developed backend APIs with FastAPI framework, designed database schemas using SQLAlchemy ORM, and optimized MySQL query performance for scalable data retrieval.
- Collaborated with the development team using Git version control for code management, conducting branch merges and resolving merge conflicts.

ACADEMIC ACHIEVEMENTS

Merit-Based Scholarship – Awarded a scholarship at Amity University for three consecutive years (ongoing) in recognition of academic excellence.

CERTIFICATIONS

Fundamentals of Deep Learning – NVIDIA

Mar 2025

Introduction to Data Science – Cisco

Jan 2025

Body Language: Key to Professional Success – NPTEL

Sep 2024