Avnit Kumar

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GitHub

EDUCATION

CHANDIGARH UNIVERSITY   Nov 2021 - June 2025
Computer Science Bachelors   Mohali, India
CGPA: 7.78

SKILLS

Programming Languages	Python, JavaScript
Libraries/Frameworks	Django, Django rest framework, Tensorflow
Tools / Platforms	Git, AWS
Databases	SQLite

PROJECTS / OPEN-SOURCE

IMAGE CLASSIFICATION WITH CNN ON CIFAR-10 DATASET   Python, Tensorflow

- Normalized image data to improve model performance and training efficiency.
- Achieved classification across 10 categories, optimizing with Adam optimizer and cross-entropy loss.

PASSWORDLESS AUTHENTICATION WITH OTP | Link   Python, Django, Django Rest Framework, SQLite

- Implemented passwordless authentication using OTP with custom token-based session management.
- Designed custom throttling and permissions to enhance API security and resource protection.
- Used Django ORM and Django Rest Framework serialization to process and save data.

SALON MANAGEMENT SYSTEM | Link   Django, Django rest framework

- Implemented a hierarchical service structure using Foreign keys for salon.
- Added extra endpoints and views to traditional crud operation to support nested order management and achieve RPC-like functionalities.
- Integrated existing authentication system with role-based access control for enhanced resource security.

POLLING APP   Python, Flask

- Efficiently managed data with SQLAlchemy, showcasing strong database integration skills.
- Designed a simple and intuitive interface for creating and participating in polls.
- Enhanced user experience by implementing customizable poll features.

CERTIFICATIONS

- Machine Learning for All - Coursera
- Deep Learning and Reinforcement Learning - Coursera
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - Coursera
- Introduction to Computer Vision and Image Processing - Coursera
- Neural Network from Scratch in TensorFlow - Coursera