G KHADEERUNNISA

Backend Developer · Python Full Stack Developer
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Summary

Backend and full-stack developer experienced in building scalable web applications using Python, Django, SQL, and PostgreSQL. Strong at designing efficient backend systems and converting real-world requirements into clean, maintainable solutions.

Skills

Programming: Python, SQL
Frameworks: Django,
Databases: SQLite
Web Technologies: HTML, CSS, JS
Testing: Manual Testing (Test Cases, Bug Reporting)
Tools: Git, GitHub, VS Code

Projects

Image Forgery Detection System using CNN (Final Year Project)
Technologies: Python, Deep Learning, Convolutional Neural Networks (CNN), Error Level Analysis (ELA), OpenCV, TensorFlow

- Designed and developed an image forgery detection system to identify manipulated digital images such as copy-move, splicing, and retouching forgeries.
- Implemented Convolutional Neural Network (CNN) architecture to classify images as *authentic* or *forged*.
- Integrated Error Level Analysis (ELA) to highlight compression inconsistencies and detect tampered regions in images.
- Trained the model using combined CASIA 2.0 and MICC F200 datasets with over 10,000 images (authentic and tampered).
- Achieved 93% overall accuracy, with peak accuracy of 99% on controlled datasets.
- Evaluated model performance using confusion matrix, accuracy, and loss metrics to validate prediction reliability.

MERN School Management System| *HTML, CSS, JavaScript, Python, SQLite*
Technologies: MongoDB, Express.js, React.js, Node.js, JavaScript

- Developed a full-stack school management system using the MERN stack.
- Implemented modules for student management, teacher management, classes, and academic records.
- Built RESTful APIs for secure data communication between frontend and backend.
- Designed responsive user interfaces using React for seamless user experience.

College ERP System
Technologies: Python, Django, HTML, CSS, SQLite

- Developed a college ERP system to manage academic and administrative activities.
- Implemented modules for student information, attendance, and academic records.
- Built backend logic using Django and Python with secure database integration.
- Designed user-friendly interfaces for smooth data entry and retrieval.

Authentication UI – Login / Signup / Forgot Password

- Technologies: HTML, CSS
- Designed a modern and responsive authentication user interface.
- Created login, signup, and forgot password pages with clean UI design.
- Focused on usability, responsiveness, and consistent styling across devices.
- Suitable for integration into any web application requiring authentication flow.

Education

B. Tech – Computer Science (Artificial Intelligence) **2022 – 2026**
MJR College of Engineering and Technology, Piler *Percentage: 76.5%*

Intermediate – MPC **2020 – 2022**
Sri Chaitanya Junior College, Piler *Percentage: 57.6%*

Secondary School **2019 – 2020**
Z P High Urdu school-Rompicherla *Percentage: 77.7%*

Certifications

- **Python Internship – SkillDzire:** Completed a hands-on internship focused on Python programming, automation, and mini-project development.
- **NPTEL Certification – IIT / Government of India:** Completed a nationally recognized course covering core concepts with practical and theoretical assessments.
- **Python– WebVoid Technologies:** Trained in Python-based web development, HTML, CSS, JavaScript, and building responsive web applications.