ALWIN K G

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GitHub — Thrissur, Kerala, India — Portfolio

SUMMARY

MCA graduate skilled in **Python, Django, SQL, Machine Learning, and Full-Stack Development (MERN stack)**. Experienced in building **AI-powered web applications** and deep learning models, with a proven ability to deliver measurable results. Strong problem-solving, teamwork, and leadership skills, demonstrated through collaborative projects and academic achievements.

EDUCATION

- **Master of Computer Applications (MCA)**
  Ilahia College of Engineering & Technology — 2023–2025 — CGPA: 8.27/10
- **Bachelor of Science in Electronics**
  Prajyoti Niketan College — 2020–2023 — CGPA: 6.65/10

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript
- **Web Development:** HTML, CSS, React, Node.js, Django
- **Database:** MySQL, MongoDB, SQLite
- **Machine Learning:** TensorFlow, OpenCV
- **Tools:** Git, Postman

WORK EXPERIENCE

- **Full Stack Web Development Intern**
  EY GDS (Ernst & Young – Global Delivery Services) with Edunet Foundation and AICTE — Feb 2025 – Mar 2025
  - Gained expertise in AI tools, UI/UX design principles, and web development through hands-on learning and master classes. Showcasing problem-solving, time management, and technical proficiency.
  - Recognized for developing one of the **top 40 best projects**, earning a certificate of excellence.
  - Presented project prototypes to EY experts, refining solutions based on feedback.

PROJECTS

- **FinBridge (AI-Powered Financial Management Web Application)**
  - Developed an AI-powered financial management app using the MERN stack, integrating AI-based financial advice to improve user efficiency by 30%.
  - **Technologies:** React, Node.js, Django, Express.js, MongoDB, Sklearn.
  - **GitHub Link:** Link
- **Land Cover Semantic Segmentation with web interface (Deep Learning)**
  - Achieved over 92% IoU and 97% F1-score in classifying satellite imagery land cover types, including buildings, water bodies, and vegetation through advanced U-Net semantic segmentation techniques using PyTorch and OpenCV.
  - **Technologies:** Python, TensorFlow, Keras, OpenCV, React, Django.
  - **GitHub Link:** Link
- **Edu.Inv (Fintech Web Application)**
  - Streamlined the educational loan application process, reducing average processing time from 10 days to 3 days.
  - Improved user satisfaction ratings by 40% through enhanced communication features and a user-friendly interface.
  - **Technologies:** Python Django, HTML, CSS, JavaScript, SQLite.
  - **GitHub Link:** Link
- **BuyItNow (E-commerce Web Application)**
  - Developed an e-commerce website for shopping electronic products.
  - **Technologies:** Python Django,React, SQLite.
  - **GitHub Link:** Link

LEADERSHIP & ACHIEVEMENTS

- **Class Representative, MCA Department:** Organized events and resolved academic concerns.
- **Top 40 Best Projects (EY GDS Internship):** Recognized for outstanding performance in project delivery.

COURSES & CERTIFICATIONS

- Python Essentials 1 (Cisco Networking Academy)
- Data Science Training Program (CODTECH IT SOLUTIONS)
- Cloud Computing (NPTEL Swayam)