

# JEESON JUSTIN

jeesonjustinhc@gmail.com | +91 8301845791 | [linkedin.com/in/jeesonjustin](https://www.linkedin.com/in/jeesonjustin)  
Portfolio: [jeeson-personal-portfolio.vercel.app](https://jeeson-personal-portfolio.vercel.app) GitHub: [github.com/jeesonjustin](https://github.com/jeesonjustin)

## PROFESSIONAL SUMMARY

---

MCA graduate with strong skills in Python, Django, and UI/UX design, and hands-on experience in building web applications and machine learning-based systems. Proficient in developing scalable, user-focused solutions by combining frontend design, backend development, and data-driven approaches. Seeking to contribute to innovative software and data-centric projects.

## SKILLS

---

- Frameworks & Libraries: Django, Flask, React (Basics)
- Programming: Python, JavaScript
- Web Technologies: HTML, CSS, Bootstrap
- Machine Learning & Data: Scikit-learn, XGBoost, Pandas, NumPy, SHAP, SMOTE, Model Evaluation
- UI/UX Design: Figma, Adobe XD, Prototyping, Wireframing, User Research, Interaction Design
- Database: MySQL, PostgreSQL
- Tools & Platforms: Git, GitHub, VS Code

## ACADEMIC PROJECTS

---

### AQI Prediction & Monitoring System - AirAware

Technologies: Python, Flask, XGBoost, SMOTE, OpenWeather API

- Built ML models to predict AQI values and classify air quality levels
- Handled imbalanced data using SMOTE, improving prediction accuracy
- Integrated real-time pollution API for live AQI comparison
- Developed dashboard with 24-hour trends and model explainability (SHAP)

### Unified Drone Flight Approval & Agricultural Service Request Portal - AetherMap

Technologies: HTML, CSS, Bootstrap, JavaScript, Python, Django, PostgreSQL

- Built a web platform for drone flight approval and agricultural service coordination
- Developed modules for user registration, flight plan submission, and admin approval workflow
- Enabled multi-role access (farmers, operators, service providers) improving service coordination

## WORK EXPERIENCE

---

UI/UX Design Intern - Mentorow - Infopark, Kochi

Nov 2023 - Jan 2024

Project - Travel Booking App (Figma)

- Designed user flows and high-fidelity prototypes for booking system
- Applied UI/UX principles for accessibility and usability
- Created interactive prototypes to simulate real user journeys

## EDUCATION

---

Master in Computer Application

Aug 2024 - May 2026

APJ Abdul Kalam Technological University (KTU)

Bachelor of Computer Application

Nov 2019 - Apr 2021

University of Calicut

## CERTIFICATION

---

- STED COUNCIL Certification in Python Programming  
Unique Occasio Tech, Ravipuram, Kochi  
Apr 2022 - Aug 2022
- Master Diploma in Web Designing and Development  
Dreamzone School of Creative Studies, Ravipuram, Kochi  
Oct 2022 - Nov 2023
- Figma UI UX Design Essentials  
Udemy  
Jul 2023