AISWARYA KOTTIYAL

SOFTWARE ENGINEER

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SUMMARY

Detail-oriented Software Engineer with a Master's in Computer Applications and hands-on experience in UI/UX design, full-stack development, and Artificial Intelligence. Skilled in designing user-friendly interfaces, developing web applications, and applying AI-based solutions. Strong problem-solving abilities with a focus on clean design, usability, and continuous learning.

TECHNICAL SKILLS

- Programming Languages: Python, C++, C, HTML5, CSS3
- Data & Analysis: MySQL, Power BI, Advanced Excel
- UI/UX Skills & Tools: Figma, Wireframing, Prototyping, User Flows, Usability Testing, Design Systems
- Other Tools: Git, SDLC

SOFT SKILLS

Adaptability, Communication, Problem Solving, Critical Thinking, Teamwork

EXPERIENCE

UI UX Developer intern   12/2025 – Present
Appziac Technologies, Calicut

- Designed wireframes and high-fidelity UI screens using Figma.
- Created user flows and prototypes to improve usability and consistency.
- Collaborated with developers to ensure smooth design handoff.
- Improved visual hierarchy, typography, and color usage based on feedback.

Data Science with AI intern   07/2024 - 10/ 2024
Edu Tantr Pvt Ltd, Bangalore

- Developed an AI-based text-to-image generation pipeline producing 1,000+ realistic images.
- Improved caption accuracy by 15% using NLP optimization techniques.
- Reduced image noise by 30% through computer vision enhancements.
- Increased end-to-end processing speed by 25% using Python-based automation.
- Applied machine learning and deep learning frameworks to real-world business use cases.

PROJECTS

TEXT To IMAGE GENERATION WITH OPTIMIZED CAPTIONING   06/2024 - 08/2024

- Developed a deep learning system to generate images from text using Generative Adversarial Networks (GANs).
- Utilized CNNs for extracting image features and LSTM networks for caption generation.

- Combined image processing with NLP techniques for optimized output and relevance

DOWN SYNDROME DETECTION USING DEEP CNN   01/2024 - 04/2024

- Designed a diagnostic model using facial image analysis to detect Down syndrome.
- Applied deep CNNs for feature extraction and classification.
- Achieved 94% accuracy through advanced hyperparameter tuning and performance optimization

EDUCATION

Master Of Computer Application   2022-2024

Acharya Institute of Graduate Studies, Bangalore, India CGPA- 8.34/10

Bachelor of Computer Application   2019-2022

Kannur University, Kerala, India CGPA- 7.8/10

CERTIFICATIONS & COURSES

Advanced Excel certificate-*Udemy*   07/2025

DevOps on AWS - *Coursera*   06/2024

Python Programming Virtual Internship - *Coding Raja Technologies*   04/2024

Big Data Fundamentals - *Infosys Springboard*   02/2024

Red Hat System Administration - *Red Hat*   02/2024