

Monish B L

Full-Stack Developer / Graphic Designer

Portfolio: monishbl.vercel.app
Email: monishbl159@gmail.com
Phone: +91 90197 45661
LinkedIn: linkedin.com/in/monishbl
GitHub: github.com/monishbl

About

A highly motivated and versatile designer and developer with a passion for creating impactful digital experiences. My background spans both design and development, allowing me to bring a unique perspective to each project.

Work Experience

Research Intern – ISRO (2025–Present)

Conducted research on Air Quality Indexing (AQI), analyzed pollution patterns, and investigated environmental impact factors.

Research Intern – Samsung PRISM (2024–2025)

Developed a machine learning-based Image Quality Assessment (IQA) system to automate image evaluation, including defect detection and report generation.

Implemented a knowledge distillation framework using a teacher-student architecture to optimize large language models (LLMs) by reducing model size while maintaining performance.

Graphic Designer – TedxCitBengaluru (2024–2025)

Developed engaging graphics for TEDx events, contributing to cohesive branding and event storytelling.

Projects

ButterfliesTrends

A responsive boutique website with an elegant UI, interactive product display, and seamless shopping experience.

Stack: SvelteKit, node.js, PostgreSQL, Razorpay

CurioQuest

A web app for academic research discovery, enabling multi-database search (e.g., ArXiv, PubMed, DOAJ) and AI-powered paper querying and analysis.

Stack: SvelteKit, Node.js, Google Gemini API

AI-Powered Exam Proctoring System

A secure, AI-proctored web examination platform featuring real-time face/audio monitoring, behavioral analysis, and anti-cheating measures (e.g., fullscreen, tab-switching detection) for academic integrity.

Stack: SvelteKit, Node.js, PostgreSQL, TensorFlow.js, Face-api.js

Image Quality Assessment For Ground Truth Image

Developed an AI-powered IQA system for Samsung PRISM, analyzing image quality through automated scoring, defect detection, and detailed report generation using machine learning.

Stack: Transformers, PyTorch, Gradio

Knowledge Distillation Of LLMs

Developed a knowledge distillation framework for Samsung PRISM, optimizing Llama and Gemma models with a teacher-student architecture, reducing model size while maintaining performance.

Stack: Transformers, PyTorch

Education

Secondary High School (SSLC) (2018)

Grade: 93.6%

St. Philomena's Public School, Bangalore

Pre-University Course (PCMB) (2019–2021)

Grade: 89.6%

St. Clare's Pre-University College, Bangalore

Bachelor Of Engineering (CSE) (2021–2025)

Grade: 8.43 CGPA

Cambridge Institute Of Technology, Bangalore

Technical Skills

Languages: JavaScript, Python, HTML, C, Java,

Frameworks: SvelteKit, Node.js, Flask, Tailwind CSS, WordPress

Database: MySQL, PostgreSQL, Firebase

Version Control: Git

AI/ML: Transformers, PyTorch

Design: Figma, Adobe Photoshop, Blender 3D

Soft Skills

Communication, Problem-Solving, Leadership, Event Coordination, Multilingual (English, Kannada, Hindi)

Certifications

Data Science And Machine Learning

Capgemini | NASSCOM Foundation

Completed: December 19, 2024

Data Visualisation Using Python

Infosys Springboard

Completed: July 13, 2024

Artificial Intelligence Foundation

Infosys Springboard

Completed: February 17, 2024

Full-Stack Development Using Python

Indian Tech Keys

Completed: October 28, 2023

Achievements

Best Project – CSE

Intuit 2025 (April 2025)

2nd Prize – Coding/Debugging Contest

IEEE Events (December 2023)