

# Monish B L

Full-Stack Developer | Graphic Designer

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## 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)

Learning And Conducting Research On Air Quality Indexing (AQI), Analyzing Pollution Patterns And 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 (ArXiv, PubMed, Etc.) 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 (Fullscreen, Tab-Switching Detection) For Academic Integrity.

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

### Image Quality Assessment For Ground Truth Image

An AI-Powered IQA System For Samsung PRISM, Analyzing Image Quality Through Automated Scoring, Defect Detection, And Detailed Reports 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

**Stack:** Transformers, PyTorch

## Education

Secondary High School - SSLC (2018)

**Grade: 93.6%**

St.Philomena's Public School, Bangalore

Pre-University - PCMB (2019-2021)

**Grade: 89.6%**

St.Claret 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

**AIML:** 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)