

ASWIN VISHWAA K B

AI & Web Developer | Product Builder | Full-stack Intern

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aswin-portfolio-one.vercel.app

EDUCATION

Kongu Engineering College

2022 - 2026

B.Tech in Artificial Intelligence and Machine Learning

K.C.A.D.C.G. Mat Hr Sec School

- Grade 12 - 91.5%
- Grade 10 - 75.4%

AWARDS & CERTIFICATIONS

- 1st Prize – Startup Maina 9.0
- 1st Prize – Proof of Concept, KEC
- 2nd Prize – API Challenge, KEC
- Winner – IASC NCC Competition
- 1st Prize – Newell's Paper Presentation, KEC
- Affective Computing

SKILLS

- Languages:**
Python, JavaScript (Node.js, React.js), Java, C.
- Frameworks/Tools:**
Flask, TensorFlow, MongoDB, Langchain, TailwindCSS, Bootstrap, Postman, RAG, Jupyter.
- DevOps & Productivity:**
GitHub, Vercel, MongoDB Atlas, Google Colab, VS Code, Excel.
- SOFT SKILLS**
Adaptability, Communication, Leadership, Team Collaboration, Rational Thinking

LANGUAGES: Tamil, English

PROFILE

Product-focused AI & full-stack developer passionate about building real solutions, not just writing code. Comfortable wearing multiple hats, learning fast, and shipping quickly. Looking to contribute directly to impactful products while growing into a tech + business thinker.

TECHNICAL PROJECTS

Glaucoma Detection AI System

Built an intelligent system for early-stage glaucoma screening using Deep learning neural network. Designed a scalable, lightweight model deployable in low-resource clinics.

Tech Used: Python, OpenCV, Flask.

Sign Language Recognition (Freelance Project)

Created a real-time sign language interpreter for 36 alphanumeric gestures using webcam input and Graph Convolutional Networks.

Tech Used: TensorFlow, GCN, OpenCV

Web Scraping Automation Tool

Engineered a flexible Python scraper to extract data from any structured website, with use cases like job listings, product info, and news articles.

Tech Used: Python, BeautifulSoup, Requests, Multithreading.

LLM-Based Smart Email Assistant

Built an AI assistant that summarizes Gmail inbox using Groq AI and sends alerts via WhatsApp with Twilio. Supports reply commands to auto-generate email responses.

Tech Used: Python, Groq AI, Gmail API, Twilio

Bookstore Inventory App (React Showcase)

Developed a front-to-back inventory management system using the MERN stack. Included search, add/remove, and update features.

Tech Used: React, Node.js, MongoDB, Express.js