



Neil Emmanuel Mathias

B.Tech, Computer Science With Cloud Computing

SRM Institute of Science and Technology

Portfolio

Gmail

LinkedIn

GitHub

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Graduating Year
B.Tech, Computer Science with Cloud Computing	SRM Institute of Science and Technology	9.29 / 10	2027

EXPERIENCE

- ShadowFox Technologies** Apr 2025 – May 2025
Python Developer Intern Remote
 - Developed Python-based utilities (BMI calculator, mapping tool, expense tracker) using dictionary-based data structures.
 - Built web scrapers with BeautifulSoup and stored structured data in CSV for analysis.
 - Conducted exploratory data analysis in Colab using Pandas, Matplotlib, and Seaborn.
- AICTE Virtual Internship** Apr 2025 – Jun 2025
AWS Cloud Architecture Intern Remote
 - Deployed scalable apps with EC2, S3, RDS, and DynamoDB.
 - Designed cloud architectures with IAM, VPC, Auto Scaling, and Load Balancers.

PROJECTS

- Nirvana – Mental Health App** 2025
React Vite, Three.js, MongoDB, Docker, JWT, REST GitHub
 - Built a secure full-stack platform with JWT authentication, REST APIs, and containerized microservices.
 - Designed journaling, mood tracking, meditation, and daily gratitude modules for user well-being.
 - Integrated AI-powered 24/7 chat support using NLP for personalized mental health assistance.
- Household Services Platform** 2025
Flask, SQLAlchemy, PostgreSQL GitHub
 - Developed a multi-role service marketplace with dashboards for customers, professionals, and admins.
 - Implemented role-based access control and optimized PostgreSQL schema with complex queries.
 - Designed and executed ER diagrams to support normalized data storage and transactions.
- Nimbus** 2025
Tesseract OCR, EasyOCR, MongoDB, Hugging Face Transformers, React Vite, Node.js
 - Engineered an AI-powered document processing pipeline that ingests PDFs, converts them into images, and applies OCR (Tesseract, EasyOCR) for text extraction.
 - Integrated Hugging Face Transformers to classify extracted text into categories and generate abstractive summaries for quick insights.
 - Built alerting, logging, and analytics dashboards with a React–Node.js stack, supported by MongoDB for scalable data management and retrieval.
- Relish** 2025
React, Vite Tailwind CSS, Next.js
 - A Restaurant, Bar, Lodge Website for a freelancing project
- Crimson Scriveners Weather and Alerts** 2025
React, Vite Tailwind CSS, Next.js
 - Designed with a modern, responsive UI, the platform blends science, safety, and lifestyle into one intuitive experience
 - Developed an interactive web platform that delivers real-time weather forecasts, astronomical predictions (sunrise, moon phases, planetary events), and natural catastrophe alerts sourced from live data APIs. The system enhances user experience by providing personalized mood insights based on current weather conditions, helping users plan their day not just practically, but emotionally.

SKILLS

- **Languages:** Python, C, Java, SQL, HTML/CSS
- **Frameworks/Tools:** React, Flask, Tailwind CSS, Docker, ESP32, FreeRTOS
- **Databases/Cloud:** PostgreSQL, MySQL, MongoDB, AWS (EC2, S3, RDS, DynamoDB)
- **Creative:** Screenplay Writing, Directing, Comic Illustration, Editing, Acting

CERTIFICATIONS

- **AWS:** AWS Certified Solutions Architect – Associate 2025
- **AWS:** Cloud Practitioner 2025
- **Oracle:** Oracle Cloud Infrastructure 2024 Certified Foundations Associate Jan 2025
- **Udemy:** NumPy for Data Science 2025

ACHIEVEMENTS

- Best Java Project – InnerEcho (University Java Expo) 2024
- AutoCAD Project for Farmer Support – Career Inequinity 2023

CREATIVE PROJECTS

- Void – The World of Helel (Psychological Short Film) 2025
- Surya – Mythological Comic Project 2024