

SIDHARTH DEV

Dubai, UAE — +971 056 456 5523 — sidharth0dev@gmail.com — linkedin.com/in/sidharth0dev — portfolio-one-omega-ivadpipdmk.vercel.app

SUMMARY

Highly motivated **M.Tech Computer Science Engineer (Integrated)** with a versatile skill set spanning **software development, full-stack engineering, data analytics, and AI/ML systems**. Proficient in **Python, React, TensorFlow, SQL, and Google Cloud**, experienced in building scalable, secure, and data-driven solutions. Strong grasp of **algorithms, databases, API design, and cloud deployment**. Seeking impactful roles in **Software Engineering, Data Science, or AI Development** to contribute to cutting-edge, data-driven applications.

PROFESSIONAL EXPERIENCE & PROJECTS

Software Engineer — Ravewards Technologies

Sept 2024 – August 2025

- Designed and developed robust, scalable APIs using **Python (Flask/Django)** to support key application features, demonstrating strong backend software engineering.
- Managed database schema design and optimized **SQL queries (PostgreSQL/MySQL)** for improved application performance and reliability.
- Implemented and maintained **CI/CD pipelines** using **Git/Docker**, streamlining the deployment process and ensuring environment consistency across development and staging.
- Collaborated with cross-functional product and design teams to define technical requirements and provided technical guidance during development cycles.

Advanced AI Weapon Detection System

Mar 2025 – Jun 2025

- Built a real-time detection model using **Python, OpenCV, YOLOv8** with **85% accuracy**.
- Automated deployment with an **MLOps pipeline** using GCP for continuous retraining.
- Integrated alert automation, reducing detection latency by **40%**.

Machine Learning-Based Fraud Detection System

Feb 2025 – May 2025

- Developed supervised ML models in **Scikit-learn** achieving **94% accuracy**.
- Deployed as a **REST API service** for real-time fraud scoring and analytics integration.
- Improved predictive stability via advanced feature engineering and scaling.

TECHNICAL SKILLS

- Programming:** Python, Java, C++, C, JavaScript, SQL, MySQL, MSSQL, .NET
- Frameworks & Libraries:** React, Next.js, TensorFlow, PyTorch, Scikit-learn, OpenCV, Tailwind CSS, PHP, Angular
- Web & Backend:** REST APIs, Flask, React.js, Node.js (Basics), HTML5, CSS3, Docker, Git
- Data & Analytics:** Pandas, NumPy, Feature Engineering, Power BI, Tableau, Data Cleaning
- Cloud & DevOps:** Google Cloud Platform (GCP), Vercel, CI/CD, Dockerization, Version Control
- Security & Core CS:** Cryptography, OOP, DSA, SDLC, Software Testing, Agile Methods

SOFT SKILLS

- Collaboration:** Proven ability to succeed in cross-functional **Agile environments**.
- Critical Thinking:** Applies strong analytical rigor to **troubleshoot complex systems** and optimize algorithms.
- Communication:** Exceptional verbal/written skills; effectively **translates technical concepts** for all stakeholders.
- Adaptability:** Quick learner, proficient at mastering new technologies and **modern development workflows** (CI/CD, Microservices).
- Project Ownership:** Demonstrates accountability and manages **end-to-end project delivery** from concept to production.

EDUCATION

Vellore Institute of Technology (VIT), Tamil Nadu, India
M.Tech in Computer Science Engineering(Integrated) — CGPA: 7.35

Graduation: Aug 2025

CERTIFICATIONS & TRAINING

- Google Cloud Digital Leader – *Google Cloud Platform (GCP)*
- Azure Cognitive Services – *Microsoft*
- Artificial Intelligence Program – *Languify (Speech Recognition System)*