

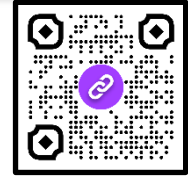
MAHESH R

Contact: +91 70106 10585 | Email: maheshsekar724@gmail.com | LinkedIn: [mahesh-r10](#) |
Portfolio: [maheshr.netlify.app](#) | Github: [Mahesh20405](#) | Pudukkottai, Tamilnadu, India



OBJECTIVE

Skilled in AI model optimization, data analytics, and decentralized applications, with a focus on scalable and high-performance solutions. Seeking roles in AI/ML Engineering, Data Science, Software Development, and Blockchain Development.



EDUCATION

KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY, TRICHY

Bachelor of Technology in Artificial Intelligence and Data Science

CGPA - 8.9

Nov 2022 – Nov 2026

SUDHARSAN VIDHYA MANDIR MATRIC HSS, PUDUKKOTTAI

HSC

Percentage – 88.3%

Mar 2021 – Mar 2022

SUDHARSAN VIDHYA MANDIR MATRIC HSS, PUDUKKOTTAI

SSLC

Percentage – 97.4%

Mar 2019 – Mar 2020

INTERNSHIP

NETO AI (Present)

Intern

Chennai, Tamilnadu

Feb 2025 – Present

- Working on optimizing **Large Language Models (LLM)** and **Small Language Models (SLM)** for improved efficiency and scalability and Applying **knowledge distillation** techniques for effective knowledge transfer and streamlined model training to enhance AI performance.

PRAYA LABS

Junior AI/ML Researcher Intern

Thiruvannamalai, Tamilnadu

Jan 2025 – Feb 2025

- Conducted **in-depth research** and development of AI and ML models to address **domain-specific challenges**, with a focus on innovative solutions. Enhancing algorithm performance by **42%**.

VPRS SOLUTIONS

Frontend Web Developer Intern

Pudukkottai, Tamilnadu

Jun 2024 – Jul 2024

- Streamlined **development workflows**, increasing efficiency by **18%**, showcasing my ability to apply learned skills.

PROJECTS

HCR WITH CUSTOM DEEP LEARNING ALGORITHM

Jul 2024

- Developed the custom "**Quin-Check Evaluation Technique**," a deep learning algorithm that achieved over **95% accuracy**.

Jan 2025

MODULAR DASHBOARD GENERATOR USING R

- Designed a **user-friendly dashboard generator** using **R** and **Shiny Apps**, reducing **dashboard creation time by 50%**

MULTI-MODEL HEALTH DIAGNOSIS WITH MODEL DISTILLATION

Feb 2025

- Developed an **AI-driven diagnostic system** with **ResNet**, **DenseNet**, and **VGG**, improving **diagnostic accuracy by 12%** through **model distillation**. Integrated **LIME** and **Grad-CAM**, enhancing interpretability and reducing misdiagnosis rates by **15%** in **X-ray-based detection of pneumonia, brain tumors, and tuberculosis**.

BLOCKCHAIN & IPFS-BASED MEDICAL MANAGEMENT SYSTEM

Mar 2025

- Built a **secure medical system** using **Blockchain**, and **IPFS**, ensuring **100% data integrity** and **tamper-proof storage**.
- Enabled **patients to manage records**, reducing data breaches by **30%**, and ensuring compliance with **India's DPDP Act 2023**.

CERTIFICATIONS

- DeepLearning.AI Tensorflow Developer Specialization (2024)
- Prompt Engineering Specialization from Vanderbilt University (2024)
- Oracle Cloud Infrastructure 2024 Certified AI Foundations Associate (2024 – 2026)
- Google Project Management (2025)

TECHNICAL SKILLS

Languages: Python, C, Java, SQL

Frameworks: Django, TensorFlow, Keras, Flask

Developer Tools: Git, IBM WatsonX, VS Code, ChatGPT, Jupyter Notebook, MongoDB Compass, Arduino IDE

Libraries: Scikit Learn, Pandas, NumPy, CV2, Matplotlib, Scikit-learn

ACHIEVEMENTS

- **Winner (2nd Place)** at **NCRPAIDST' 2K25**, National Conference on **Rising Phenomenon of AI & DS Technologies**, Er. Perumal Manimekalai College of Engineering, Hosur.
- **Winner** in the **Software Category** of Biomedical Engineering Dept's **Schwan 2.0 24-hour Intra-College Hackathon**.
- **Winner** in **PC Building** with a **7.43-minute** record, CIT, Coimbatore.
- **2nd Place** in **Paper Presentation** at **SNS College of Technology**, Coimbatore.
- **2nd Place** in **Prompt Engineering** at **Kangayam Educational Institutions**, Tirupur.
- **3rd Place** in **Paper Presentation** at **Engineers Day**, **Sona College of Technology**, Salem.
- **3rd Place** in **36-hour HackFest Hackathon**, **Erode Sengunthar Engineering College**, Erode.
- **Shortlisted** and **participated** in **GENBRAINIACS25 Hackathon** under the **Zero Hunger** theme, organized by **Google Developer Groups OnCampus** at **PSNA College of Engineering and Technology**.

CO CURRICULAR ACTIVITIES

- **Active member** of **ISTE**, **KNCET**
- **Google Developer Groups**, **NIT Tiruchirapalli Member**
- **Participated** and **Secured** top 10 place in **MoonLight 2k23 Talkshop**

HOBBIES

- **Boxing**
- **Weight Lifting**
- **Computer Hardware Diagnosis**

LANGUAGES KNOWN

Tamil
English
Japanese