

RAMKUMAR RAJENDIRAN

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EXPERIENCE

CSC Maduravoyal

08 2023 – 09 2025

IT Trainer / Programming Instructor

Tamil Nadu

- Delivered structured technical training programs for students and professionals across programming, data analysis, and web technologies.

Freelance Technical & Aptitude Trainer

08 2023 – Present

Technical Trainer — Aptitude & Soft Skills Trainer

-6pt

- Delivered hands-on technical training programs for undergraduate students across multiple engineering institutions.
- Technical Training Institutes:** Sai Rajeswari Institute of Technology, Anand Institute of Higher Education, Kalasalingam Academy of Research and Education
- Conducted sessions on **DSA, Python, MERN Stack, SQL, Django, Git/GitHub** with real-time coding demonstrations.
- Trained students on industry-oriented problem solving and project-based learning.
- Aptitude & Soft Skills Training:** Mohamed Sathak Engineering College
- Delivered aptitude training covering **Quantitative Aptitude, Logical Reasoning, Verbal Ability** and placement-focused soft skills.
- Improved student placement readiness through mock tests, group discussions, and interview preparation.

Excelerate

06 2023 – 07 2023

Data Analyst Intern

Remote

- Completed a 4-week intensive internship focused on end-to-end data analysis and business reporting.
- Performed **data cleaning, preprocessing, and transformation** using Python libraries such as Pandas and NumPy.
- Conducted **exploratory data analysis (EDA)** to identify trends, patterns, and actionable insights.
- Designed interactive **Power BI dashboards** and visual reports to support data-driven decision making.
- Collaborated with team members during **weekly reviews** to present findings and receive feedback.
- Prepared structured reports and visual summaries for stakeholders as part of final project evaluation.

COURSEWORK / SKILLS

- | | | | |
|---------------------------------|--------------------------------|------------------------|-------------------|
| • Data Analysis & Visualization | • Data Structures & Algorithms | Warehousing | • Web Development |
| • OOPS Concept | • Data Cleaning & | • Excel & Power BI | • Logistics |
| | | • Statistical Analysis | |

PROJECTS

Data Analysis & Visualization Project | Python, Power BI, Office 365

07 2023

- Worked as part of a team to analyze **education campaign datasets** focusing on click-through rate (CTR) performance.
- Performed **data cleaning, preprocessing, and exploratory data analysis (EDA)** using Python libraries such as Pandas and NumPy.
- Built interactive **Power BI dashboards** to visualize campaign effectiveness and key performance indicators.
- Identified underperforming models and reported insights to improve campaign decision-making.

Ocular Disease Recognition | Python, Deep Learning, VGG-19, Kaggle

02 2024

- Developed a deep learning-based system for automated **eye disease detection** using medical image datasets.

- * Implemented image preprocessing techniques and **Local Binary Patterns (LBP)** for feature extraction.
- * Applied and fine-tuned the **VGG-19 convolutional neural network** to improve classification accuracy.
- * Evaluated model performance using accuracy and validation metrics on test datasets.

Book Swap Connect | HTML, CSS, JavaScript, MySQL, Google Maps API, Figma

11 2023

- * Designed and developed a web-based platform to enable users to **exchange books** within their local area.
- * Implemented frontend interfaces using **HTML, CSS, and JavaScript** with user-friendly UI design.
- * Integrated **Google Maps API** to display nearby users and book exchange locations.
- * Used **MySQL** for managing user data, book listings, and transaction records.

EDUCATION

Dhanalakshmi Srinivasan Engineering College (Autonomous)

08 2019 – 04 2023

Bachelor of Engineering in Computer Science and Engineering (**CGPA: 8.0**)Perambalur, Tamil Nadu

2pt

- * Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Software Engineering, Web Technologies
- * Hands-on experience through academic projects involving application development, database design, and problem-solving using modern programming languages
- * Actively participated in technical workshops, seminars, and coding activities organized by the department

Government Higher Secondary School

06 2012 – 03 2019

Higher Secondary Certificate (Bio-Maths) – **61%** — Secondary School Leaving Certificate – **84%** Thedavur,^{2pt}
Salem, Tamil Nadu

- * Strong foundation in Mathematics, Physics, and Biology, contributing to analytical and problem-solving skills
- * Maintained consistent academic performance with notable improvement from SSLC to HSC
- * Participated in school-level academic and extracurricular activities

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, SQL

Web Technologies: HTML, CSS, JavaScript, Django, React.js

Data Analysis & Visualization: NumPy, Pandas, Matplotlib, Power BI

Databases: MySQL, MongoDB

Developer Tools: VS Code, Jupyter Notebook, Power BI, Android Studio, Eclipse

Version Control & Platforms: Git, GitHub

Additional Skills: MS Office 365, Digital Marketing, Robotics, Animation

EXTRACURRICULAR

Knowledge Hunters

11 2021 – 04 2024

- * Notified members about free courses, technical events, and learning resources
- * Coordinated and guided a group of students in participating in internship programs

CERTIFICATIONS

- Data Visualization with Python – IBM
- Python for Data Science – Udemy
- Data Analysis – OpenLearn
- Big Data Hadoop
- Google Analytics – Google
- React JS – Techpathshala
- C++ (Advanced) – HackerRank
- SQL (Advanced) – HackerRank
- Microsoft AI Skills Challenge – Microsoft