ABISHEK PRABAKARAN RAMKUMAR

✉ reachabishekr@gmail.com   📞 8608072326   📍 Chennai, Tamil Nadu, India   📅 20/08/2000

in LinkedIn   ⌗ Github   🔗 My Portfolio

- A fresher with exposure to full stack development and AI/ML (academic projects)
- Committed to continuous learning of new technoligies and resolve complex technical challenges through collaboration and team work.

Education

May 2025 – Present Chennai,India	**Bachelor of Science - Data Science & Applications,** *IIT - Madras* Foundation level - 4 courses completed (Ongoing)
2019 – 2023 Kotri Kalan,Sehore, India	**Bachelor Of Technology,** *Vellore Institute Of Technology - VIT BHOPAL University* CGPA 7.81/10
2017 – 2018 Chennai, India	**12 std,** *Prince Matriculation Higher Secondary School* Percentile: 72.66%
2015 – 2016 Chennai, India	**10 std,** *Prince Matriculation Higher Secondary School* Percentile: 89.80%

Skills

Java • SQL • C++ • AWS • Prompt Engineering • AI & ML • Linux • Java Script • HTML • CSS • VS Code

Languages

Tamil   **English**

Publications

29 Mar 2023	**Sophisticated Water Quality and Management System,** *Book Publisher International* 🔗 • Book chapter published in "Research and Developments in Engineering Research Vol. 1" by Book Publisher International. ISBN: 978-81-19102-71-6 (Print), 978-81-19102-73-0 (eBook).
30 Oct 2022	**Smart water management System,** *Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)* 🔗 • Published in the International Journal of Recent Technology and Engineering (IJRTE), Vol. 11, Issue 3, ISSN: 2277-3878.

Courses

Ulimate AWS cloud Practitioner CLF-C02, *Udemy* 🔗

AWS Cloud Practitioner Essentials, *AWS* 🔗

NDG linux unhatched Course, *Cisco Networking Academy* 🔗

AI Foundations, *NASSCOM Futureskills Prime* 🔗

Programming Foundations: Fundamentals, *LinkedIn Learning* 🔗

Programming Foundations: Beyond Fundamentals, *LinkedIn Learning* 🔗

Programming Foundations:Object Oriented Design, *LinkedIn Learning* 🔗

Prompt Engineering with Chat GPT, *Linkedin Learning* 🔗

PG certificate Program in cloud computing & Devops, *IIT Roorkee* 🔗
Score: 36/41

Certificates

- Python Basics – HackerRank 🔗
- Problem Solving Intermediate – HackerRank 🔗
- SQL Intermediate – HackerRank 🔗
- Problem Solving Basics – HackerRank 🔗
- SQL Basics – HackerRank 🔗

Projects

Oct 2022 – Apr 2023

Smart Student Management System 🔗
This project aims to ditigize the student's data and it provides various modules like below to aceive the objectives
- user management,
- student profile management,
- teacher management,
- cashier (payments), etc.,

The user management allows manging the users and utilizes RBAC method to provide access control for different roles. The front end is acheived using HTML, CSS and Java Script. The backend uses JS, Django Forms and stores data as No SQL DB files. Refer to the link (in the title) for more details.
My contrbution is to develop the frontend pages for this project.

Aug 2021 – May 2022

Smart water management system 🔗
Smart Water Management System is essentially a system designed to use latest techologies and sensors to ease the management of water in residences and help conserve water. The project tries to address water management holistically like rain water harvesting, consumption, leakage detection, automated water pumping to tanks, etc.,. The project is published in journal and refer to journal section for the link.
Apart from diffent module integration tasks, my contribution primarily includes development of leakage detection using IOT technology. Using Adruino IDT, the sofware was developed and it reads the data from water flow sensors and have the logic to detect leakge if any.

Feb 2021 – May 2021	**Facial Expression Recognition** 🔗 To recognize a face, it is first important to detect and locate it in an image or video. We have used Viola-Jones algorithm to detect the face. After extracting the face, we move on to the next step. A deep learning model based on CNN is used to detect face. However, the original images collected from online need to be preprocessed, including face detection, alignment, rotation, and resizing, according to the different elements in the original images. To achieve a better model, we need to train with images depicting different emotions, using more epochs and a larger dataset. This process requires high computational power, which cannot be handled by a personal computer.
Jul 2020 – Sep 2020	**Corona Symptom Checker,** *ChatBot Using Python* 🔗 This project is based on Tkinter using Python for the GUI and an AI bot using a JSON file for AI. We proposed a system that functions as an application, providing users with information about their present health. This system determines what the user actually wants by retrieving the semantic meaning of the query. It then passes this semantic text as input to the pattern-matching algorithm. The matching algorithm utilizes pre-fed knowledge to generate a response.

Score Card

AWS CCP, *Amazon Web Services -- Score (650/1000)*