

VETRIKANTH G

AI AND DATA SCIENCE
PROFESSIONAL | FULL STACK
DEVELOPER

SUMMARY

AI and Data Science Engineer with strong expertise in MERN stack, AWS Cloud, and Python. Proficient in developing AI-driven solutions, such as NFC-based attendance systems, facial recognition security protocols, and intelligent chatbots. Skilled in Java, JavaScript, and full-stack development. Passionate about leveraging AI to solve complex real-world problems and drive business value in dynamic, forward-thinking tech environments.

CONTACT

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Rasipuram, Namakkal - 637408,
India

SKILLS

- Programming Languages:
Core Java, Python, JavaScript
- Web Development:
MERN Stack (MongoDB, Express, React, Node.js), HTML, CSS, Bootstrap
- Database Management: MongoDB
- Cloud Platforms:
AWS Cloud, Serverless Architecture
- Tools & Technologies: Git, Vs Code, RESTful APIs, Agile Methodologies

PROJECTS

- **NFC Attendance Catalog**
Developed an NFC-based attendance system that reduced manual entry errors by 80% and improved overall attendance tracking efficiency in an academic setting.
- **Home Security Using Face Recognition**
Created a face recognition model with OpenCV and Python, successfully implementing real-time alerts via SMS for unauthorized access attempts, enhancing home security protocols.
- **General Chat-Bot**
Implemented a Wikipedia API in a Python bot model to provide accurate and quick responses to user queries.
- **Website for College Office**
Developed a responsive website for college administrative purposes using MERN stack, improving information accessibility for staff and students.

EDUCATION

B.Tech in Artificial Intelligence and Data Science

Muthayammal Engineering College, Rasipuram,
Namakkal Graduation: [2026] (Expected)
Relevant Coursework: Machine Learning, Data Structures, Cloud Computing, Full Stack Development

HSC

R.C. Sacred Heart Higher Secondary School,
Rasipuram, Namakkal Year of Completion:
[2022]

SSLC

R.C. Sacred Heart Higher Secondary School,
Rasipuram, Namakkal Year of Completion:
[2020]

EXPERIENCE

INTERN

Avenger Health Care - August - 2024

- **Drug Interaction Bot :**
Engineered an AI-driven bot using Crew AI to streamline the presentation of drug information, improving user understanding of medicine dosages, side effects, and benefits. - Reduced user query resolution time by 40% through automated responses.

INTERNSHIPS

MERN Stack

Zealous Tech Corp - July 2024

- Created a capstone web project utilizing React, Express, and MongoDB, leading to a 30% improvement in data handling efficiency.

CERTIFICATIONS

- Core Java Certification CSC, 2021
- MERN Stack Certification, Zealous Tech Corp, 2024
- NPTEL - Design and Analysis, 2024
- MongoDB Certification, Mongo DB Inc, 2024
- AWS Cloud Certification, NK Cloud Tech, 2024

WORKSHOPS

- Chat-Bot Development Workshop, [KSR College], [2023]
- Start-up Talk, [Salem College of Engineering], [2023]
- Drone Technology Workshop, [Sona College of Engineering], [2023]

EXTRA INFO

- Date of Birth: 15/07/2004
- Alternate Mobile: +91 6380928438
- Alternate Email: vetrigokul2018@gmail.com
- Father's Name : Gajendiran T
- Mother's Name : Sumathi G