Maheshwar Muthukumar

Email: maheshwarmuthukumar@gmail.com   Linkedin: https://www.linkedin.com/in/maheshwar-muthukumar/
GitHub   Mobile:+91 9629211668

SUMMARY

 A Full-Stack Developer proficient in Java, Next.js, React, Node.js, Python, and C, capable of establishing the best-fit technology stack for a wide variety of projects. Has a background in integrating AI and machine learning into smart and optimized applications. A flexible, solution-oriented person who is enthusiastic about building great systems that address real-world problems. Committed to constant development and continuing education in the latest technology trends

---

EDUCATION

Anna University Regional Campus   Tirunelveli, India
B.E. Computer Science and Engineering - CGPA: 7.4   **September 2022 – August 2025**
Vidyalankar Polytechnic   Mumbai, India
Diploma in Computer Engineering - GPA: 9.10   **June 2019- August 2022**

SKILLS SUMMARY

- **Languages:**   **J**ava, Python, JavaScript, C++, SQL, Kotlin
- **Frameworks:**   Spring Boot, Flask, React, Next.js, Node.js, Tailwind CSS
- **Tools:**   Excel, PowerPoint, Docker, Firebase, AWS, Git, REST APIs, Three.js, Blender
- **Platforms:**   PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- **Specialties:**   AI Integration (LLMs, Hugging Face), Automation, UX/UI, SEO, Microservices, Agile
- **Soft Skills:**   Problem-solving, adaptability, communication, teamwork, time management, creativity, attention to detail.

EXPERIENCE

Web Design Intern |LiveWire | [LINK](#)   **July 2024 – August 2024**
- Designed and delivered a total of 3 responsive website pages, maintaining the layout's consistency and usability across 10 device types, resulting in a 40% increase in mobile usability.
- Reduced development time by 30% by utilizing Bootstrap components to maintain a consistent UI element across all pages.
- Optimized the site's performance, resulting in a 25% reduction in page load time by optimizing layout and compressing images.
- Applied modern UI/UX design principles to improve accessibility and visual clarity that peer evaluations believe were excellent.

PROJECTS

Faculty Leave Management System | [LINK](#)   **June-July 2024**
- Developed an online faculty leave request system to automate leave requests, approvals, and record keeping.
- Implemented secure authentication of users and role-based access control for faculty and administrators.
- Expanded a scalable database schema with seamless Excel import/export capability for easy bulk data management.
- Reduced manual intervention and improved precision of the approval process by automation.

Coconut Shell Recycling Reward System| LINK   **December 2024**
- Created a full-stack web application using Spring Boot and Next.js to advocate for sustainability through encouraging recycling of coconut shells.
- Utilized JWT authentication, and RESTful APIs to securely process submission and image authentication.
- Made an incentive-based interactive dashboard with leaderboards and push notifications to boost the level of engagement.

Hospital Management System| [LINK](#)   **January- February 2025**
- Designed a feature-rich Hospital Management System for inpatient/outpatient record management, prescriptions, and inventory of medicines.

- o Included department-based login to offer safe, role-based access for admins, pharmacists, and doctors.
- o Integrated dynamic reporting for efficient monitoring of data and administrative decision-making.

CERTIFICATES

Prepare Data for Exploration | Google |LINK   **March 2023**
- o Acquired foundational knowledge in ethical data collection, bias identification, and basic database design.
- o Applied best practices in data cleansing, structuring, and preparation to enable effective analysis and exploration

Kotlin for Java Developers| JetBrains | LINK   **September 2021**
- o Learned Kotlin fundamentals, including syntax, null safety, and object-oriented programming concepts.
- o Explored Kotlin-Java interoperability and applied modern Kotlin features to enhance Java-based applications.

Generative AI for Engineering | IBM | LINK   **November 2024**
- o Gained understanding of generative AI including LLMs, prompt engineering, and model training workflows.
- o Explored real-world applications of generative AI in engineering tasks like design automation and simulation enhancement.