

VASANTHAKUMAR V

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Objective

- As a final-year B.Tech student, I aim to secure a challenging role in a forward-thinking organization where I can apply my full-stack development skills in Java, Spring Boot, and React to build innovative solutions, contributing to team success and advancing my career through impactful placements.

Education

Vellore Institute of Technology AP Sept 2022 - Present
Bachelor of Technology in Electronics and Communication Engineering

Nazareth.Mat.Hr.Sec School, TamilNadu June 2021 – May 2022
Tamil Nadu Board of Secondary Education, Grade 12

Experience

Technical Member Oct 2023 – June 2024
Blockchain-The Node, VIT-AP

- Led a team of 10+ students, ensuring the successful execution of club activities and fostering a collaborative environment.
- Organized and facilitated 8 major events, including Hackathons and Workshops, engaging over 100 participants and enhancing community involvement.

Internships

Full Stack Developer Intern (Remote) Sept 2024 – Present
INTRAINTECH [Link](#)

- Collaborated with a team of 5 to develop an AI-driven interview bot using Spring Boot and JWT authentication, integrating a React frontend with a Flask backend, which improved user interaction and efficiency for over 100 mock interviews.
- Executed secure database operations with PostgreSQL, safeguarding user information across 1500+ transactions without breaches.
- Established Git branching strategies and conducted thorough code reviews via GitHub, reducing code conflicts by 20% and enhancing team collaboration across three concurrent sprints.
- Implemented Postman and Swagger documentation, decreasing API debugging time by 15% and facilitating the rapid integration of five new microservices within a six-month project timeline.

Projects

EduConnect Platform Jan 2025 – Feb 2025
[Link](#)

- Developed a full-stack educational platform using Spring Boot, React, Tailwind CSS, Spring Security, JWT tokens, and Aiven PostgreSQL cloud, enabling seamless interaction for students and teachers across 500+ registered users.
- Implemented features for teacher-driven student registration, automated email delivery of credentials, module creation, resource uploads, semester-wise notifications via dashboard or email, and quiz conduction, improving student engagement by 25%.
- Designed secure RESTful APIs with Spring Boot and integrated React frontend, optimizing performance by 20% and ensuring robust user authentication and data management for over 1000 transactions.

IoT-based Paralyzed Patient Healthcare System using GSM Module and Arduino Jan 2024 – May 2024

- Designed an IoT-based monitoring system for paralyzed patients that utilized finger movement detection and integrated fall sensors; improved patient safety by reducing fall incidents by 40% in clinical trials.
- Engineered a real-time accessibility enhancement using C++ and AI, enabling voice command functionality for a digital interface that reduced task failure rates by 15% for users with motor impairments.

Online Courses and Certifications

- Completed an advanced Java Full Stack Course on Udemy, enhancing backend frameworks, frontend technologies, and integration techniques, resulting in a 25% increase in project delivery speed.
- Earned AWS Cloud Practitioner certification, demonstrating foundational knowledge of AWS cloud services and best practices.
- Completed JavaScript Essentials from Cisco Networking Academy in collaboration with OpenEDG JavaScript Institute.

Technical Skills

- **Languages and Frameworks:** Java, Spring Boot, React Js, Tailwind CSS, Spring Security
- **API Development:** RESTful APIs, Postman, Swagger, JWT
- **Other Skills:** Data Structures and Algorithms, Object Oriented Programming, IntelliJ IDEA, Git, PostgreSQL, MongoDB, Docker
- **Cloud Frameworks and Hosting Platforms:** AWS, Aiven, Render, Vercel, SupaBase, Railway

Achievements

- Achieved 1st place in the HackVerse hackathon as part of a 4-member team, developing RepoRadar, a tool for detecting copied GitHub repositories.
- Mastered core Java programming concepts through rigorous self-study and hands-on coding, achieving a top 10% ranking on coding platforms and enhancing proficiency in object-oriented design and data structures.