Viswanand M

viswanandmuruganantham23@gmail.com | LinkedIn: viswanand-muruganantham | Portfolio

HackerRank: viswanand4 | LeetCode: VISWANAND_M | GitHub: viswanandMuruganantham

Objective

Motivated and detail-oriented aspiring software developer with a strong foundation in front-end and back-end technologies. Passionate about building scalable solutions, optimizing performance, and leveraging technology to solve real-world problems. Seeking an opportunity to apply my skills, expand my expertise, and contribute to innovative projects in a dynamic environment.

Education

Panimalar Engineering College Chennai City Campus, Chennai *November 2022 – Present*
Bachelor of Technology in Information Technology
Current CGPA: 8.9/10 (as of semester 5)

Trinity Academy (CBSE Board), Thiruvarur
Senior Secondary (XII) *July 2022*
Secondary School Leaving Certificate (X) *July 2020*

Skills

- **Programming Languages:** Core Java, C, JavaScript.

- **Libraries/Frameworks:** React.js, Next.js, Express.js, Flask, Tailwind CSS.

- **Databases And Query Language:** MySQL (SQL), MongoDB (NoSQL).

- **Tools/Platforms:** GitHub, Node.js, VS Code, Figma, Docker, Postman.

- **Soft Skills:** Leadership, Critical Thinking , Adaptability , Team Collaboration, Communication.

Work Experience

Emblock - Full Stack Developer Intern *February 2025 – Present*
Designing and developing full-stack web applications using MERN stack. Collaborating with cross-functional teams to ensure efficient delivery of scalable and high-quality software solutions.

TCS iON - Remote Internship *(Certificate)* *July 2024 - October 2024*
Developed and deployed Docker containers for blockchain-based application development. Gained hands-on experience in containerization, blockchain networks, and DevOps best practices.

Acmegrade - Data Science Intern *(Certificate)* *November 2023 - January 2024*
Performed exploratory data analysis (EDA) on structured datasets with Pandas and Matplotlib, uncovering trends and outliers. I visualized these insights through charts and graphs to help non-technical stakeholders understand the findings.

Projects

Full-Stack Finance Dashboard with ML-Based Forecasting (MERN Stack) *GitHub Link*
Developed a MERN-based Finance Dashboard with ML predictions using Vite, Redux Toolkit, MUI, and Recharts. Implemented Node.js, Express.js, and MongoDB for robust backend API and data management. Integrated ML models to predict financial trends, enabling smart, data-driven decisions.

IoT-Based Smart Agriculture Monitoring System *GitHub Link*
Led a team to design and develop an IoT-based smart agriculture system that monitored environmental parameters using Arduino and Integrated real-time data visualization through ThingSpeak dashboards to optimize agricultural decisions.

Cloud-Hosted Banking Data Analytics and Reporting System on AWS *GitHub Link*
Led a team to develop a Flask-based cloud banking application on AWS. Utilized Amazon EC2, RDS (MySQL),

and CloudWatch for deployment, monitoring, and scalability. Implemented IAM role management and automated backups to enhance security and reliability.

AI-Powered Blood Report Parsing and Analysis System *GitHub Link*
Developed a full-stack application to extract, parse, and analyze medical data from blood reports using OCR and AI. Integrated React with an AI model for named entity recognition (NER). Enabled secure patient data handling and insightful diagnostics through a responsive UI.

Mini Projects (10+ Projects) *GitHub Link*
Includes: React & Tailwind Web Blog, WeatherMate - Real-Time Weather App, AR/VR project at Meta Spark Studio, E-commerce Product Page with React & React Router, and a Library Registration Form with validation.

Certifications (Link)

○ Data Structures and Algorithms in Java – NPTEL

○ AWS Cloud Foundations – AWS Academy Graduate

○ ReactJS and Figma Training – Infosys Springboard

○ Full-Stack Development 101 – Simplilearn

○ AR Development and Applications – TCS iON

○ Data Science – Acmegrade (IIT Bombay), LinkedIn Learning

○ AI Fundamentals (ASCEND) – Accenture, FutureSkills Prime

○ Google Play Store Listing – Google Play Academy

○ Cyber Security Analysis and Design – NASSCOM

Achievements and Honours

○ **National Tech Challenge:** Secured position in Top 5,000 out of 25,000+ teams in the Build with India challenge by HackWithIndia. ginitemize

○ **Hackathon Finalist and Team Lead:** Spearheaded Team Quantum Codex to the finals of ENG'25 Hackathon at IITM Research Park

○ **Project Expo Winner:** Won 3rd Prize in the College-level Project Expo competition showcasing innovation and teamwork.

○ **Academic Excellence:** Ranked among the Top 3 performers in Semester 3 with consistent technical subject performance.

○ **Hackathon Participation:** Represented Panimalar Engineering College, Chennai City Campus as Team Script Titans. Submitted a tech-driven solution in K! HACKS 2.0 organized by CEG, Anna University, Chennai.

○ **HackerRank Certification – Java:** Earned Silver Level Badge for demonstrating proficiency in core Java programming concepts and problem-solving skills.