

# Vishwajith S

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## Profile

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Detail-oriented and enthusiastic Full Stack Developer proficient in building responsive, scalable web applications using modern front-end and back-end technologies. Experienced in academic and freelance projects, including the development of a full-featured freelancing platform. Passionate about creating efficient, user-centric solutions and eager to contribute to impactful software development in a dynamic team environment.

## Technical Skills

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- **Languages/Tools:** HTML, CSS, JavaScript, Python, C/C++, Git, Bash, SQL, SQLite, Postman, Docker
- **Frameworks/Libraries:** ReactJS, Vite, Tailwind CSS, Bootstrap, Node.js, Express.js, REST APIs, JWT

## Project Work

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- **Lancify – Freelancing Website** |  2023  
Full Stack Developer
  - Developed a web platform that connects freelancers with clients across various service domains, focusing on intuitive UX.
  - Used HTML, CSS, JavaScript, React for frontend development and Node.js with Express for backend services.
  - Successfully deployed the platform, allowing multiple users to register, post, and accept jobs, resulting in enhanced user interaction and satisfaction.
- **CodexScan – AI-Powered Code Reviewer** |  2024  
Back-End Developer
  - Designed a code review tool using Node.js/Express and Gemini API for LLM-based analysis.
  - Implemented endpoints to interact with Gemini AI and return real-time structured feedback on code quality, security vulnerabilities, and performance improvements.
  - Unique in its integration of LLM-based analysis for customizable code review pipelines across multiple programming languages.
- **SecureLink - Simple Key Exchange Application** |  2024  
Application Designer
  - Engineered a cryptographic key exchange tool for IoT environments using ECC, AES encryption, and HKDF via Python's cryptography libraries.
  - Provided secure message transmission for low-power IoT devices combining strong encryption techniques in a simulated testbed, emphasizing lightweight encryption.
- **EbolaCast – Machine Learning for Epidemic Forecasting** |  2024  
Machine Learning Engineer
  - Developed a machine learning pipeline to predict Ebola-related deaths and Case Fatality Rates (CFR) using epidemiological datasets sourced from WHO and HDX.
  - Engineered and evaluated models including Random Forest, SVR, Gradient Boosting, and AdaBoost, selecting the top performers using  $R^2$  and MAE metrics.
  - Achieved 89%  $R^2$  accuracy for mortality prediction and implemented a modular, multi-output framework for scalable deployment and future epidemic forecasting.

## Education

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- **Indian Institute of Information Technology, Sricity** 2021 – 2025  
B.Tech in Computer Science and Engineering
- **DAV Higher Secondary School, Chennai** 2019 – 2021  
Higher Secondary, Computer Science

## Certifications

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- Mastering Data Structures & Algorithms using C and C++, Udemy
- The Complete Web Development Bootcamp, Udemy