Oscar Kandir

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Portfolio | LinkedIn | GitHub | Leet Code | Hacker Rank
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Education

Karunya Institute Of Technology and Sciences — Coimbatore, Tamil Nadu, India
Bachelor of Technology in Computer Science (CGPA: 7.34 / 10) — *Expected Graduation – May 2025*

The Ab's Rowland School — Varanasi, Uttar Pradesh, India
XII CBSE (GRADE: 75% / 100) — *June 2020 – April 2021*

Technical Skills

Languages	:	C++, C#, Python, HTML, CSS, JavaScript
Databases	:	MongoDB, MySQL, Firebase
Frameworks	:	React.js, Node.js, Express, Django
Tools	:	Docker, Kubernetes, Jupyter Notebook, Visual Studio Code, Git, Prometheus, Grafana, Postman
Relevant Course work	:	Data Structures and Algorithms, Object-Oriented Programming, Agile Software Development

Projects

Improved Ensemble Classifier for Dengue Prediction *Python, Streamlit, Scikit-Learn, Matplotlib* Github

- Implemented a journal titled *"Development of Optimized Ensemble Classifier for Dengue Prediction,"* achieving a **3% increase in prediction accuracy** and improving model reliability for over **250 test cases**.
- Combined **CNN**, **ANN**, and **SVM** into an improved ensemble model.
- Designed a **user-friendly dashboard** with **Streamlit** for visualizing predictions, incorporating **parameter tuning** features to enhance model performance.

Sound Wave: A Web-Based MP3 Music Streaming *React, React-Router, Git* Github

- Built a **dynamic MP3 streaming platform** using React.js, ensuring an **interactive user experience** with a responsive design.
- Streamlined audio playback processes through effective implementation of RESTful APIs, reducing loading times to under two seconds and increasing user retention by 25%.

Slide and Solve: 3x3 Sliding Tiles Puzzle Game *HTML, CSS, Vanilla JavaScript, React* Github

- **Designed a sliding tiles puzzle game using React.js**, incorporating logic for **tile movement and win condition detection** to create an engaging user experience.
- Created multiple levels, including a **4x4 sliding puzzle**, ensuring compatibility across various devices.

Experience

Summer Research Intern — May 2024 – July 2024
Intel Unnati Program — *Github*

- Investigated and selected **open-source tools** for measuring system power consumption in **containerized environments**, leading to a 20% increase in measurement efficiency.
- Collected and analyzed **power telemetry data** for various system components under different utilization scenarios, resulting in a 15% reduction in power consumption.
- Executed tests measuring power utilization during **100% system load** using containerized environments.
- Authored a comprehensive report detailing the **power consumption challenges**, technical approach, and results.

Certifications

- Microsoft Certified: Azure AI Fundamentals
- Data Structures and OOP with C++ by Udemy
- PCAP: Programming Essentials in Python - Cisco Networking Academy