Alan Saji

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EDUCATION

• **Bachelor of Technology in Computer Science and Engineering(Gaming Technology)** *2021-25*
Vellore Institute of Technology, Bhopal CGPA: 8.13

PERSONAL PROJECTS

• **Real-time Chat App** *May 2024*

Developed a real time chat app to ensure bi-directional communication between client and server.

- Facilitating users to send messages, voice clips, and media like images and videos with 90% latency reduction than traditional HTTP polling.
- Achieved response times of approximately 20-50 milliseconds for real-time message delivery using Socket.io.
- Technology Used: HTML, CSS, JavaScript, Socket.io.

• **NFT Marketplace** *Apr 2024 - May 2024*

Designed a website on blockchain to buy, sell, and mint NFTs.

- Implemented secure, decentralized smart contracts and integrated with ICP for scalable and efficient transactions.
- Utilized React.js for the frontend and Motoko for the backend, ensuring a responsive and user-friendly interface.
- Technology Used: HTML, CSS, JavaScript, React, Motoko, Internet Computer Protocol (ICP), Blockchain.

• **Facial Beauty Prediction Website** *May 2024 - Jun 2024*

Implemented a facial beauty prediction website using CNN (AlexNet Architecture).

- Utilizing pretrained PyTorch model trained on the SCUT-FBP5500 dataset.
- Using Flask to serve the model API.
- Correlation: 0.8721 MAE: 0.2724 RMSE: 0.3552
- Technology Used: Flask, HTML, CSS, JavaScript, PyTorch, Python3.

EXPERIENCE

• **Web Development Internship** *June - July 2024*
Unified Mentor Online
- Completed a 2-month internship as a web developer at Unified Mentor Pvt. Ltd., Gurugram, Haryana, India.
- Worked on 2 basic projects and 1 advanced project.
- Web-based Music Player: Aesthetic music player responsive on all devices, utilizing Firebase blog storage and Firestore database to fetch songs.
- Expense Tracker
- Supermall Management System
- Skills utilized: HTML, CSS, JavaScript, Node, React, Django, Firebase

TECHNICAL SKILLS AND INTERESTS

Languages: Java, Python, Javascript, HTML+CSS.
Libraries : React.js, Vue.js, Python GUI libraries.
Web Dev Tools: Nodejs, VScode, Git, Github.
Frameworks: Django, Selenium web framework
Cloud/**Databases**:MongoDb, Firebase, Relational Database(PostgresSql).
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

POSITIONS OF RESPONSIBILITY

– **Decoration head for Cultural Event** Onam Celebrations *August 2021*
  * Helped to attract close to 300 attendees to the event.
  * Collected over Rs. 10,000 for decoration items.

EXTRACURRICULAR

– **LeetCode** Rank: 1,141,703
– **GeekForGeeks** Institute Rank: 697