

Mohamed Lahfir

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TECHNICAL SKILLS

Languages: JavaScript, Python, C, HTML/CSS
Frameworks: Node.js, Flask, Bootstrap, React Native, React JS, Selenium
Developer Tools: Git, VS Code, PyCharm, Android Studio, Xcode, Eclipse, Jira, JMeter
Libraries: React.js, JQuery, Redux, Swagger
Databases: MongoDB, MySQL
UI/UX: Figma, Adobe XD
Cloud: AWS S3, Firebase

EDUCATION

PSG College of Technology

BTech in Information Technology

- CGPA (Till 6th Semester) - 8.25/10.00

Coimbatore, India

Aug. 2019 – May 2023

EXPERIENCE

Front-end Developer (Remote)

Swiss Forex Trading SA

December 2021 – Present

Lugano, Ticino, CH

- Developed and launched a cross-platform mobile application using the React Native framework, resulting in over **400 active users** and an average rating of **4.5** on the App Store
- Accelerated the app's performance by optimizing scrolling to **60 frames per second**, reducing the number of re-renders, and ensuring uninterrupted interaction
- Implemented real-time messaging functionality using sockets and integrated with the currency.com market API, enabling users to send and receive messages instantly and receive market data updates in **milliseconds**
- Integrating Firebase messaging functionality allowed for **real-time notifications** on both iOS and Android operating systems, improving communication for all users
- Adhered to the **MVC** architecture pattern for code organization, resulting in a clean and manageable codebase
- Integrated the **Stripe** payment API for collecting and managing payments within the app, streamlining financial transactions for users
- Integrated **Meta Trader 4** APIs for real-time trading functionality, providing up-to-date information for traders
- Implemented **In-App Purchases** for users to subscribe to premium features, increasing revenue for the company

Intern — CV based Animal Intrusion Detection and Prevention

DST, Govt. of India

March 2022 – May 2022

India

- Developed a Computer Vision model using **YoloV5s** with a prediction accuracy of **78%**
- Advanced the learning of the parent model to the student model using knowledge distillation methodology, resulting in an accuracy improvement of **2%** and a reduction of model size by **20%** for deployment on edge devices such as Raspberry Pi or Jetson Nano
- Implemented Re-Identification functionality with a **98%** accuracy using **Siamese Neural Network**, significantly increasing the number of unique animals identified by the system.

PROJECTS

E-Mess | Python Flask, HTML, CSS, Js, JQuery, Heroku

June 2021

- Developed REST API for communication between frontend and backend, enabling real-time updates for the client app from the admin module
- Implemented **JWT** for secure user authentication
- Created a CRM for admin module with features such as managing student and mess operations
- Improved efficiency and reduced errors by introducing a **CRM** dashboard
- Implemented PWA functionality, resulting in **50 active student users** per day
- Improved the manual process with a **100%** digital conversion, using the CRM dashboard
- Link to the project** : e-mess.vercel.app/

Instagram Engagement Bot | Python, Selenium, Heroku

June 2022

- Developed a Python bot using the Selenium library to engage with Instagram posts
- Engaging with the posts increased the **profile visits by 20%**