SOHAM PATIL

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SUMMARY

A recent graduate from Essex University in advanced computer science with a proactive approach to skill enhancement. Passionate about devising innovative solutions for optimal user experiences and business growth. Specialized in Android app development using Kotlin, Java, and Firebase, alongside hands-on experience in machine learning, focusing on dataset classification and ML model creation.

EDUCATION

Essex University, Colchester, England
Master in Advance Computer Science Oct 2023
Relevant courses: Mobile and Social Application Programming, Machine Learning, Computer Security, Computer vision, Text Analytics
University of Mumbai, Mumbai, India
Bachelor of Engineering in Computer Science May 2022

SKILLS

- **Languages**: Kotlin, Python, Java, C, HTML, CSS.
- **Database**: MySQL, firebase, SQLyog
- **Software**: Android Studio, Goggle Colab, Visual Studio, Jira, Agile, Git, Microsoft Office (Word, Excel, PowerPoint)

EXPERIENCE

Mind script Information Technology & Services Thane, Maharashtra, India. July-2020
Android development intern
- Development of android application using android studio
- Learning and applying Kotlin language
- Connecting application to database

Verzeo Bangalore, Karnataka July-21-Aug-21

Android developer Intern
- Developing android apps as well as working on backend using firebase
- Storing real-time data using an app.

ACADEMIC PROJECTS

Real-time Nurse call Performance Analyzer- Android Kotlin FEB 2023 — Mar 2023
- Constructed the real-time nurse performance analyzer application's primary goal is to evaluate the nurse's performance to enhance patient care and safety.
- real-time monitoring and will gather data from a variety of sensors and inputs, including patient use of the application to alert the nurse and the number of times nurses have addressed the patient as well as the number of patients being attended.
- Managed multiple real-time process requests for efficient performance.
- The information gathered and kept in the MySQL DB will then be used to create a user-friendly dashboard. Based on the data insights, the Realtime nurse performance analyzer should be updated and improved.

Artificial Intelligence in Heart Modelling -Python Colab June 2023-Oct2023
- Developed and implemented ensemble-based machine learning models for ECG signal classification, enhancing accuracy and reliability.
- Addressed challenges in data preprocessing, feature engineering, and class imbalance in ECG datasets.
- Demonstrated the clinical implications of accurate ECG classification for enhanced patient care and diagnosis.

PUBLICATIONS

Implementation of Machine Learning Algorithm on factors affecting Divorce rates (IJREAM paper) April 2022
- Conducted research on the factors influencing divorce rates using machine learning techniques.
- Analyzed a large dataset of demographic and socioeconomic factors to build a predictive model of divorce rates.
- Utilized three different machine learning algorithms to identify 50% significant factors influencing divorce rates.