

# Fithin Vijay M V

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## ABOUT ME

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I am a passionate Python developer and an MCA student at CUSAT (Cochin University of Science and Technology) with a keen interest in Machine Learning. As an entrepreneurial enthusiast, I am always eager to explore new opportunities and innovate. My thirst for knowledge drives me to learn every programming language, and I take pride in being an active learner, constantly updating my skills and staying ahead in the tech world.

## TECHNICAL SKILLS

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**Technologies:** Machine Learning, Pandas, Data visualization

**Frameworks:** Django, Tailwind

**Web Technologies:** HTML, CSS, Bootstrap

**Languages:** Python, C, Postgres SQL, Java

**Developer Tools:** Git, VS Code, Jupyter, Pycharm

## EDUCATION

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**Cochin University of Science and Technology**

*Master of Computer Application, Computer Science*

*July. 2023 – May 2025*

**Calicut University**

*Bsc Mathematics*

*July. 2019 – May 2022*

**Rahmania HSS, Calicut**

*Plus Two - Bio Science*

*July. 2017 – March 2019*

**Cheruvannur GVHSS, Calicut**

*SSLC (Secondary School Leaving Certificate)*

*July. 2016 – March 2017*

## IN-HOUSE STARTUP EXPERIENCE

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**Homate**

*Software Developer*

August 2024 – Present

*CITTIC TBI, Cochin University of Science and Technology*

- Pitched a comprehensive home service startup idea to CITTIC TBI, successfully secured incubation space and a 3-year collaboration.
- Contributing the development of a mobile application using Flutter and Firebase for Android and iOS, focusing on eliminating brokerage issues and providing home-related services.
- Managing project timelines, coordinating with team members, and ensuring the successful execution of the startup's vision.

## EXPERIENCE

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**Summer Internship at IIIT Kottayam**

June 2024

*Kottayam, Kerala (Hybrid)*

- Security of personal data on mobile devices has become paramount. This study investigates the potential of a keylogger application that leverages sensor data from gyroscopes, accelerometers, and magnetometers to map keystrokes on smartphones .
- Engineered a Flutter mobile application for data collection :Designed and Deployed a mobile app using Flutter framework, Integrated functionalities for data collection from user inputs or sensor data.
- Prepared and preprocessed sensor data to extract relevant features for input into a machine learning model.
- Utilized Recurrent Neural Networks (RNNs) to predict potential password exposure when third-party apps are in use.

## PROJECTS

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### **Keystroke Detection** | *Flutter, Python, TensorFlow*

June 2024

- Developed a Flutter Application: Designed and Executed a mobile app using Flutter to record sensor data from smartphones.
- Data Processing: Managed the collected sensor data to prepare it for analysis.
- Machine Learning Integration: Utilized various classifiers and Recurrent Neural Networks (RNN) to classify the processed sensor data.

### **Twitter Hate Speech Prediction Using NLP** | Python, scikit-learn, TensorFlow, NLTK, Pandas, NumPy April 2024

- Developed a robust machine learning model utilizing natural language processing techniques to identify and classify hate speech in tweets, achieving a detection accuracy rate of 92% across a dataset of 100,000 tweets.
- Collected and preprocessed a dataset of tweets labeled for hate speech.
- Implemented a Logistic Regression model with TF-IDF vectorization.

## SOFT SKILLS

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- Communication
- Teamwork
- Problem-Solving
- Leadership