**Surya V**

**EDUCATION**

* **B.Tech Computer Science and Engineering**

**CGPA – 8.52 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 85.33% **2019**

Institution:

* **Class 10** – 96.6% **2017**

Institution:

**TECHNICAL INTERESTS**

Full Stack Development, App Development

**PROJECTS**

**Stocklot (Flutter, Firebase Firestore, Firebase Functions, Firebase Authentication)**

A Business to Business native application built with Flutter to exchange textile stocks. People can search for or post their textile stocks with ease.

Chat abilities are also integrated with the app.

Video calls can take place within the app.

This application is powered by google cloud platform.

**JAM (Java, Android studio, Firebase)**

JAM is full blown social media application for college communities.

Students and teachers can chat, form groups, join college clubs, post their ideas and

projects.

Forum section to ask public questions.

Teachers can conduct tests and students can view a detailed test report.

**Company Management System (Flutter, Firebase)**

An inventory management system for a Brick companies.

The application can manage the stock of bricks and raw materials, track orders, maintain

attendance of staffs.

History of bricks manufactured and raw materials used day wise.

**Crypto Trading Bot (Python)**

Have worked with Binance and KuCoin APIs

Developed multiple strategies with python to trade cryptos Have worked with many trading indicators

Worked with Telegram API to provide live updates

**Distibuted data transfer system**

Have worked with websockets

Created a local network of computers

Built a peer to peer data transfer system

https://github.com/surya-venugopal/distributed-data-transfer

**TECHNICAL SKILLS**

Python, Java, Dart, C, C++, Javascript, Flutter, Android Studio (Java), Raspberry pi, Arduino, ESP32, Nordic, STM32, Node-Red, Adafruit, IFTTT, Github, Docker

JIRA, MongoDB, Firestore, Dynamo DB, MS SQL, AWS, GCP

**WORK EXPERIENCE**

**Full Stack Developer Intern | ZF Wind power**

Used Python Flask and Waitress for backend server

Developed User interface for windows with Flutter

Worked on MS SQL database with large volume of data

Performed data analytics

**Full Stack Developer Intern | Eternl**

Developed a Python Flask server

Developed an android application with JAVA

Deployed services on AWS EC2

Worked with real-time IOT devices

Worked with multiple graphs in the UI

**Android and Flutter developer Intern | Data foundry**

Developed various user interface with Android studio and Dart

Worked with local SQLITE database

Worked with TF-lite to deploy machine learning models on mobile

Worked with Socket connection and HTTP request/ response handling

●Deployed services on AWS EC2 and AWS Lambda

**Freelance**

ZF wind power - Developed a python application to automate the final inspection of a

windmill gearbox using Image processing and Machine Learning.

Two way communication between ESP32 / Raspberry pi and AWS IOT core through

MQTT protocol. Connecting AWS IOT core and AWS Dynamic DB to store the incoming

messages from the embedded systems to a no-SQL database.

An “Always On meeting” application, similar to discord, with WebRTC and Javascript.

A Laser tag (Laser gun shooting) gaming software built with Flutter and python server

to maintain player scores and team points.

**LANGUAGES**

English, Tamil