Taushiq Balamurugan

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🔗 taushiq-balamurugan

⭘ TaushiqB

PROFILE

• An emerging engineer with specialization in Computer and Communication

• Expertise in C++, Java, Python, DBMS along with IoT, Data analytics and web development

• Good interpersonal skills with an ability to solve complex problems in teams

• Creative thinking and good troubleshooting skills

• Learn, Contribute and grow with the organisation while enhancing domain experience

EDUCATION

• **B.Tech.** in **Computer and Communication Eng.**
CGPA – **7.12** / 10 (current)   2020 – (2024)
Amrita School of Engineering,
Amrita Vishwa Vidyapeetham, Coimbatore, TN

• **AISSCE** (11 – 12th Std.)   2018 – 2020
Mark - **445** / 500
Suguna Pip School, Coimbatore, TN
Subject: Maths, Physics, Chemistry,
        Computer Science

• **AISSE** (10th Std.)   2018
Mark - **450** / 500
Suguna Pip School, Coimbatore, TN

TECHNICAL SKILLS

Languages:
        C++ • Java • Python • C • MATLAB • Embedded C

Web Development:
        HTML/CCS/JavaScript • Flask • Dart

DBMS:
        MySQL • Oracle • SQL Alchemy

OS:
        Raspbian (Linux) • ARM (x32/x64)

Hardware:
        LP2148 • MSP432 • ESP32 • Arduino UNO • Raspberry pi • Grove Pi Hat

Office ware:
        MS Excel • MS Word • MS PowerPoint

IDE / Tools:
        VS Code • Pycharm • Spyder • Android Studio • KEIL 4 • Proteus 8 • Cisco Packet Tracer • WireShark

DevOps:
        Git • GitHub

Libraries:
        OpenCV • TFLite • Flutter • Regex

LANGUAGES

• English   –   Full Professional proficiency
• Tamil, Telugu –   Native proficiency

TECHNICAL INTERESTS

• Internet of Things
• Machine Learning
• Cyber Security
• Web development
• Computer Networks
• Embedded Computing
• Image Processing
• Cloud Computing

CERTIFICATIONS/UPSKILLING

• **Python (Basic)**   2023
    Organisation: Hackerrank (Online) (No expiry)
    Credentials: TaushiqBalamurugan

PROJECTS

• **Pothole Alert System**
    Mar 2023 – Jun 2023 **(5 months)**
    Aim: Find pothole coordinates using pilot vehicle
            and when user is near pothole, alert using app
    Tools: Python, Raspberry Pi, GPS Module,
            Android Studio, ML classifiers

• **Habit Tracker App**
    Mar 2023 – Apr 2023 **(1 month)**
    Aim: A app to help people achieve daily work
            and fitness goals
    Tools: Flutter, Dart, Firebase, Android Studio
    Event: **Solving for India Hackathon 2023
            GeeksforGeeks** (Theme: Health)

• **Document Management System**
    Sep 2022 – Jan 2023 **(5 months)**
    Aim: A website for document approval in
            government offices
    Tools: Flask, SQL Alchemy, Python

<u>Event:</u> **Smart India Hackathon 2022**

• **ATM Threat Alert System**
   Sep 2022 – Dec 2022 **(4 months)**
   Aim: Alert police and switch off ATM upon
         finding the emotion "fear" on user face
   Tools: Python, Raspberry pi, OpenCV, TFLite

• **House Price Prediction**
    Mar 2022 – Jul 2022 **(5 months)**
   <u>Aim:</u>   Predict house price based on features
          of house and locality
   <u>Tools:</u> Python, ML classifiers (Regression)

• **Biometric Face Authentication**
    Sep 2021 – Dec 2021 **(4 months)**
   <u>Aim:</u>   Develop a face recognition system using
          computer vision
   <u>Tools:</u> Python

• **Car enquiry and statistics system**
    Mar 2021 – Jul 2021 **(5 months)**
   <u>Aim:</u>   Implement admin panel to view statistics
and
          enquiry panel about safety features
   <u>Tools:</u> C++