

# NAMARATH BS

## ELECTRONICS AND INSTRUMENTATION ENGINEERING

### ABOUT ME

I am a dedicated Electronics and Instrumentation Engineering student with a strong interest in control systems, embedded technologies, and industrial automation. Eager to apply my academic knowledge to real-world challenges, I am committed to continuous learning and contributing effectively to innovative engineering solutions.

### CONTACT

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### EDUCATION

**VIDYANIKETAN PUBLIC SCHOOL**      **Final grade: 78%**

Grade -1 to Grade -10

01/06/2010 – 01/04/2020 – Bangalore , India

**VIDYANIKETAN PRE UNIVERSITY COLLEGE**      **Final grade: 79%**

Pre University Education

01/06/2020 – 01/04/2022 – Bangalore , India

**JSS Academy Of Technical Education**      **Final grade: 8.35 CGPA**

Bachelor of Engineering

01/12/2022 – 01/06/2026 – Bangalore , India

### PROJECT

#### **Edge Intelligent Impact Localization for Structural health monitoring Using Tiny ML - Powered IoT Devices**

Existing solutions for SHM often use impact positioning based on the time of arrival of stress waves or require high-end hardware for machine learning processes. In contrast, our approach offers a cost-effective, on-device impact localization system, which is independent of material properties and sensor positioning.

#### **4x4 led cube arduino code**

In this project, we're making a cool 4x4x4 LED cube with Arduino Nano. LED cubes, also known as LED Matrix, can light up your room, study space, or Maker area giving it a awesome cool look. Moreover it is very easy to build and helps you get creative with electronics and coding.

### SKILL

**Embedded system**- microprocessor and microcontroller programming, circuit design

**VLSI( BEGINNER)**- Hardware description languages(HDLs),EDA tools

**Matlab**- control system,data analytics

**phython**- machine learning,data processing