

# Ashish Kumar

@ ashishkumar@iitbhilai.ac.in | ashishkumar12.ak50@gmail.com

+91-7464039914

## Education

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### B.Tech.(EE)

Indian Institute of Technology Bhilai

2020-present

CGPA- 7.52

CBSE, Intermediate-overall percentage- 70

Krishna Public School

2017-2019

CBSE, Matric - CGPA: 9.0

Infant Jesus' School

2016-2017

## Projects:

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### Money Tracker

January 2023

- Independent Project
- Using ReactJs, MongoDB, ExpressJs, NodeJs
- It keeps tracks of all the transaction which have been done and stores in a database.

### Sparse Deep Neural Network Graph Challenge

September 2022 - November 2022

MIT Challenge

- Group project.
- Accelerating sparse Deep Neural Networks using GPUs and Parallel Programming
- As a result we got 2.3x speedup for 480 layers and 3.81 speedup for 1920 layers.

### E-commerce Website

August 2021 - September 2021

- Independent Project
- Using ReactJs
- It contains contains products list and user can add or remove products from the Cart.

### Gas and Smoke Detector

February 2022- March 2022

- Group Project
- Arduino based project
- Gas and smoke sensor used to sense harmful gases and if it crosses the limit which could be dangerous for people then it switch on the buzzer and sends a message to mobile phone using GSM module

### Scientific Calculator

May 2023- May 2023

- Independent Project
- Using HTML, CSS and JavaScript
- Do all the basic calculation like Addition, Subtraction, Multiplication, Division, root and solve Trigonometric values

## Skills

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### Programming Language

- C/C++
- Python

### Web Development

- HTML, CSS
- MongoDB
- JavaScript, ReactJs, NodeJs

### Matlab

### Data Structure and Algorithm

### Adobe Photoshop ,Illustrator

### Tinker Cad, Xilinx

## Technology

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### Hardware

- Arduino Uno

### Operating System

- Windows
- Ubuntu

## Courses

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- Embedded System
- Digital signal Processing
- Applied Digital Logic Design
- Parallelization of program
- Computer organization and Architecture
- Communication System
- Data structure

## PORs

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- Core Member of Epsilon Club (Robotic Club)  
2021-2022
- Coordinator of Table Tennis  
2022-2023