AKARSH SHARAT

B.Tech. - Electronics & Telecommunication Engineering

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Pune, Maharashtra, India - 412105

BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

A final-year undergraduate, tech enthusiast with a passion for automation and programming. I like working on projects that challenge and demand skills.
I shall be completing my graduation in Electronics and Telecommunications in the year 2023 with a minor in IOT from the MIT Academy of Engineering.
I have completed my internship with 3 companies for duration of 4 months in manufacturing & banking domains.
I have worked on a couple of projects during my engineering course. I have also been a part of various college events and have experience in managing events.
While I am not working, I like spending my time exploring the contents of the web, reading about technology, and exploring new projects & technologies as per market demand, I also indulge myself in art and music.
I enjoy connecting with people and gladly look forward to projects that give me a chance to hone my skills and develop new ones along.

KEY EXPERTIES / SKILLS

Python   Java   Spring Boot   Cloud-Computing   IOT   Web Development   MongoDB

MS SQL   Bash   C++   Electronics   CAD

Knowledge of Operating Systems

- o Windows (7,10,11)
- o Linux (Ubuntu)

Knowledge of Protocols

- o MQTT
- o HTTPS
- o SSL
- o LDAP
- o SSH
- o SAML

EDUCATION

Savitribai Phule Pune University, Pune
2019 - 2023

B.Tech. - Electronics & Telecommunication Engineering - MITAOE | CGPA:**7.58 / 10.00**

Sacred Heart Children School, Kota
2019

12th | CBSE | CGPA:**7.58 / 10.00**

Kendriya Vidyalaya CRPF Barkas, Hyderabad
2016

10th | CBSE | CGPA:**10.00 / 10.00**

INTERNSHIPS

Altimax Technology
20 Jun, 2022 - 24 Jul, 2022
Cloud Intern

Key Skills: IOT, Cloud-Computing, Kafka, Confluent, Messing System

Got an opportunity to work with the team on KAFKA with Confluent project. Here I learnt the concept of messaging system and the process to create publisher/subscriber/Agents/Topics. I was involved in live production environment monitoring of Kafka under the supervision of seniors there. I got an opportunity to visualize App dynamics reports to view CPU utilization, Memory utilization, heap utilization and other matrix data to understand server performance.

Krishigati Pvt Ltd
01 Jun, 2021 - 31 Jul, 2021
Web Developer Intern

Key Skills: HTML, CSS, NodeJS, RazorPay

Worked with Krishigati Pvt Ltd team, on the e-commerce portal (www.krishigati.com). I got an opportunity to create an e-shop website with payment gateway (Razor Pay) integration. I was solely responsible for designing & integrating of payment gateway. I worked on HTML, CSS, and NodeJS.

Spark Foundation
Web Developer Intern

01 Jun, 2021 - 31 Jul, 2021

Key Skills: HTML, CSS, NodeJS

Worked with Spark Foundation team on e-commerce portal. I got an opportunity to create a donation page with Payment Gateway (Razor Pay) integration. I was solely responsible for designing & integrating of payment gateway. I worked on HTML, CSS, and NodeJS.

PROJECTS

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Bicycle Rental System
Mentor: Mandar Nalawade | **Team Size:** 4

Jan, 2022 - Nov, 2022

Key Skills: AWS, IOT Core, MSSQL, Android Studio, Java, Python, Linux, Shell Script, .Net, REST API, MQTT, Raspberry-Pi, GPS

Created Bicycle rental system consist of android app, web application, portable devices and DBMS. The mobile app is created in Java using android studio and website is created in .Net. All the data is stored in AWS RDS-MSSQL database. All the IOT devices are handled from IOT Core. Here user can login and find nearest bi-cycle, to scan & rent. When user want to end ride, they just need to lock the cycle. All components follow two way communication using MQTT.

Bluetooth Controlled All Terrain Rover
Team Size: 4

Aug, 2020 - Apr, 2021

Key Skills: Mechatronics, Mobile Application Development, Arduino-UNO, HC-05 Bluetooth Module, L293D Motor Driver Shield, Java Android Studio

Created a Bluetooth-controlled six-wheel car(rover) that can run on most of the terrain. The rover was operated with a microcontroller board based on the ATmega328P(Arduino UNO), L293D Motor Driver Shield, and HC-05 Bluetooth Module. The android app was built in Android Studio using JAVA. I was solely responsible for hardware development i.e., designing of rover body and circuitry.

Personalised Home Automation System
Team Size: 1

Feb, 2021 - Mar, 2021

Key Skills: IOT, Python, Power Electronics, Network-Attached Storage (NAS), Raspberry-Pi, ESP8266 Wi-Fi Developer Board

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Created a smart system to convert a non-smart home into a semi-smart home, where most of the things (mostly electrical) can operate through mobile devices over the internet. In this system, all the rooms are connected to relay and sensor devices which are controlled using ESP8366 WIFI Developer board, and all the ESP boards are centrally controlled using RPi3b+ connected to Home NAS that is connected to Cloud. This system is controlled using an android app built using MIT-App Inventor.

Tetris Game
Team Size: 1

Jun, 2019 - Jul, 2019

Key Skills: C Programming

A graphical block game, with complete implementation of True Random Algorithm.

ASSESSMENTS / CERTIFICATIONS

AWS Certified Cloud Practitioner
Validation Number: P40GEKVK51E11X9H

Valid Till: Aug, 2025

AWS Certified Cloud Practitioner validates cloud fluency and foundational AWS knowledge

Oracle Cloud Infrastructure Foundations 2021 Certified Associate
Validation Number: 7853478OCIBF2021

Valid Till: Aug, 2023

The OCI Associate exam is designed for individuals who possess a strong foundation knowledge in architecting infrastructure using OCI services.

30 Days of Google Cloud program
Institute Name: Google

10 Nov, 2020 - 10 Dec, 2020

30 Days of Google Cloud program provides an opportunity to kickstart career in the cloud and get hands-on practice on Google Cloud Platform

MATLAB Onramp
Institute Name: MathWorks

01 Nov, 2020 - 7 Nov, 2020

MATLAB Onramp is an online course that provides a brief introduction to the MATLAB language. The course gives hands-on MATLAB experience via the use of an integrated, web-based version of MATLAB.

CO-CURRICULAR ACTIVITIES

- Organized E-Summit under E-Cell MITAoE

EXTRA CURRICULAR ACTIVITIES

- Social Media Head at E-Cell MITAOE

PERSONAL INTERESTS / HOBBIES

- Reading Short Stories
- Listening To Podcast
- Creating Short Animation
- Traveling

WEB LINKS / IMs

- WhatsApp - 9440899535
- LinkedIn - https://www.linkedin.com/in/akarsh-sharat-0883111b7/
- GitHub - https://github.com/Akarsh-Sharat

PERSONAL DETAILS

Gender: Male
Marital Status: Unmarried
Current Address: Flat No.:301, Kate Estate, Kale colony, Alandi-Dighi Road, Pune, Maharashtra, India - 412105

Date of Birth: 22 Dec, 2000
Known Languages: English, Hindi
Permanent Address: Qtr No. A-43(T), Dhurwa, Ranchi, Jharkhand, India - 834004
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