

MONARK SHARMA

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Education:

Master's in Computer Applications (MCA)

Course Name - MCA

From - GTU, Gujarat Technological University

Graduation Year – 2026

Grade:

Semester 1 – 8.00 CPI

Semester 2 – 8.10 CPI

Semester 3 – Pursuing

Work:

Sem 3 Project – Recruitment Decision Assistant for Human Resource Management with sentiment analysis for Culture-Fit prediction

Sem 2 Project – Responsive Instagram Clone hosted on AWS under \$2

Sem 1 Hackathon – Smart Blind Stick with SOS call and sms feature, along with fall and accident detection auto SOS feature.

Tech. Stack – DevOps, Linux, AWS(IAM, EC2, Route53, S3, EBS), JavaScript, ReactJS, MySQL, Python

Bachelor of Business Administration in Information Technology Management - (Honours)

Course Name - (BBA-ITM) (Honours)

From - SEMCOM, Charutar Vidyamandal University

Graduation Date – DECEMBER, 2023

Grade – 8.47 CGPA

Tech. Stack – HTML5, CSS3, JS, Bootstrap, MySQL, PHP, C++

Thesis:

Sem 5 - "A study on usage of cloud computing at University Student's Routine"

Sem 6 - "The Study Of Relation Between HRIS and HR Department's Productivity."

Self-Study:

AWS Cloud Basics:

From – AWS Skill Builder, AWS Documentation, AWS Educate

Attended AWS re:Invent 2021, 2022 and 2023 to know AWS success stories and Innovations.

Linux System Administration on Fedora Linux Distro. Platform and Fedora Server OS:
(Ongoing)

From – YouTube and Documentations.

Academic Achievements:

Remarkable Reader Award: AIMIS Annual Day 2025

Research paper at the International Conference on "Viksit Bharat":

- Presented a research paper on "Revolutionising Hiring Procedure & empowering HR Management with Machine Learning Text-language Analysis for Applicant cultural-fit Prediction".

AI Tools for Vernacular NLP: Empowering Local Languages and its Advancements:

- AICTE Training And Learning (ATAL) Academy Faculty Development Program.

Projects / Badges Experience:

Badge Info. & Verification Link – [Verify](#)

AWS Cloud Quest Badges :

Cloud Practioner | Solution Architect

AWS Educate Badges :

Cloud Computing 101 | Getting Started with Networking

Projects:

Public Deployment:

Deployed ReactJS project on AWS S3 with a domain, configuring custom DNS from Domain.com, reducing expected cost from \$25 to \$1.50.

Available at – <http://www.projectmark.space>

Network Deployment:

Deployed ReactJS project on a network web server using Nginx that was created from scratch with the Fedora community server OS.

Can be scaled up to 50 simultaneous users on the same network.

[LinkedIn Post](#)

React Responsive Project:

Responsive Clone of a popular social media application- Instagram.

The project works as an app in a mobile browser and as a website in a desktop browser.

Maintaining a single code repository for both platforms and using reusable components to maximise code reusability.

[LinkedIn Post](#) | [GitHub Repo.](#)

IOT Project:

Smart Blind Stick with object detection, an SOS button feature that sends the person's location to the emergency contact via sms and gives a missed call to the emergency contact to alert them.

Also integrated an automatic SOS feature for fall detection in the case of accidents when a person can't reach for the stick's SOS button, all this was done while maintaining cost affordable as compared to market players.

Main Board: Ardiono Uno R3

Sensors: Ultra Sonic Sensor, Sim800l gsm sensor, Neo-6M GPS module, MPU6050 Gyroscope Sensor

Gesture based Air-Mouse: a wireless Bluetooth mouse build over esp32 implementing master-slave concept for mouse node and receiver node. The mouse node build over esp32-C3 mini board with MPU6050 for gesture inputs and receiver node connected to laptop via Bluetooth to perform pointer operations. Receiver node listens input from mouse node over BLE (Bluetooth Low Energy) to relay mouse inputs.

Main Board: ESP32 C3 mini (mouse-node) and ESP32 Wroom (receiver-node)

Sensors: MPU6050 Gyroscope Sensor

[LinkedIn Post](#)

Satellite Tracker Sub - Project(Ongoing): Aim is to track the satellite via TLE data and get alert when satellite passes from overhead.

Tracking is done via python server constantly performing orbital calculations over TLE data and visualization is achieved by utilizing CeliumJS library to visualize EARTH's live locations. (Calculations accuracy is trial and tested currently)

Android Machine Learning Application:

Recruitment Decision Assistant for Human Resource Management with sentiment analysis for Culture-Fit prediction

Claude Haiku's sentiment analysis is used to predict how fit a candidate is for organization's work culture, to assist Human Resource Official's in Hiring Decision Taking.

[Demo Application for POC](#) , MVP is ready in local Android Environment.

Work Experience :

Marketing Intern

At – System Level Solutions (India) Pvt. Ltd.

Responsibilities – Exposition Planning and Coordinator, Web Designing, Digital Marketing Campaigns.

(August 2025 - Ongoing)

Human Resource Planning and Administrator Internship:

At – Atlanta Electricals Pvt. Ltd.

(April 2022 – May 2022)

Skills :

Software -

AWS Management Console, VS Code, Visual Studio, Arduino AppLab, Arduino IDE, Atom Text Editor (discontinued), Git & GitHub, GitLab, VMware Workstation Player, Nginx, Terminal & PowerShell, Adobe Photoshop, Canva, NicePage, Zoho Campaigns, MS Office Packages, Google Workspace.

Operating Systems –

Windows, Ubuntu, and Fedora Linux.

Languages –

C, Python, JavaScript

Embedded C and MicroPython (Ongoing - Learning Stage)

Version Control –

Git, GitHub, BitBucket

DevOps –

Docker, Kubernetes, CI/CD, Jenkins

Other Skills –

Team Player | Communication and Presentations | Discipline and Guidelines follower | Trial and Error Problem Solving Approach |