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[!\[\]\(919a2cb85b99741a73c0c31a427236a8\_img.jpg\) Hari Om Singh](#) [!\[\]\(c9cd5a1c35167a83f09a35036fe5dcbd\_img.jpg\) Repositories](#)

# Hari Om Singh

Address: (PG) Noida  
Sector 66

I am **Hari om singh (20 year old)** a **MERN stack developer** with *hands-on experience* building robust authentication and authorization systems from scratch, along with an email validation service using ping and an SMTP server.

I'm eager to bring my skills to a dynamic team through an **internship or full-time role In IT DOMAIN**, where I can contribute To projects and continue expanding my Learning.

## Certifications

### SOFTWARE DEVELOPMENT PROGRAM (OFFLINE)

1. Attended an SDP workshop on Embedded Systems and IoT technology, gaining hands-on Experience on Contiki simulation, IoT device integration, sensor use, product design, and the software development lifecycle.

## Education

2021-2025 | B.Tech Computer Science

Sir Chhotu Ram Institute Engineering & Technology  
CCS UNIVERSITY MEERUT.

7.7 CGPA || Project Grade : Excellent

## Awards and Achievement

Secured **1st Position** in INTER HOSTEL DEBATE (ENGLISH) COMPETITI

Secured **2nd Position** in INTER HOSTEL DECLAMATION (ENGLISH)  
COMPETITION

**Team Leader** of Technical Team at SCRIET.

Successfully tackled over **150 coding challenges** on various platforms, showcasing a diverse and comprehensive skill set.

Participated in various Hackathons to Horns skills.

Actively engage in **startup incubators** to enhance my Knowledge , including attending sessions at **IIM Lucknow's Noida campus**.

## About Me

### Currently Working:

1. **AS PYTHON Educator & Core Team Member** at Startup by IIT PATNA Students known as "EDXPERTO"
2. **On SOCKET. IO library for Final Year Project** Aim to Develop Decentralized secured Networking web App for **Communication using Web 3**
3. **On Portfolio to make Centralized Library for Live Project** Will be known as "BRAIN RADAR" in Future for Various Application Able to handle millions of users.
4. **As Free Lancer.**

Looking Forward To Learn **DEVOPS , WEB3** For Upskilling .

### Technical Knowledge

- Programming & Development: MERN Stack, Authentication, SMTP, REST APIs
- Core Concepts: Networking, System Design, Database Design, DBMS, Operating Systems
- Algorithms & Data Structures: Proficient in DSA, OOP principles

**HOBBY :** Basketball , Reading / Writing blogs

### Strength :

1. Proven ability to work quietly and deliver impactful results
2. Embrace challenges as opportunities to innovate, staying focused on achieving impactful, results-driven outcomes.

## Skills

**Languages :** JavaScript , C++ , Python

**Server Runtimes :** NodeJS, AWS Lambda

**IDE :** VS code, ANACONDA , IntelliJ

**Frontend :** ReactJS, Redux

**Database :** MongoDB, MYSQL

**APIs :** Firebase, In-app payment, Telegram Bot Automation

**Libraries** JWT Signature , BCRYPT, SOCKETIO, SESSION, Papa Parse(CSV Parse) React Router ,Express

## Projects

### Authentication and Authorization from Scratch

- Secure Registration with Email confirmation, JWT token-based login with session management
- a Robust password recovery system using secure token generation for account recovery
- Built a **scalable authentication system** to efficiently manage growing **user demands and secure access**.
- LINK TO LIVE PROJECT : [Vite + React](#)
- **OUTCOME :** Learned How to Scale the System.

### Integrated SMTP Server

- Developed a **custom SMTP mail service** supporting secure transmission of rich media content, including embedded **images and HTML templates**
- Engineered a **scalable solution for sending visually appealing like Swiggy**, responsive HTML emails with full multimedia and branding support.
- LINK TO LIVE PROJECT : [Vite + React](#) ( You need to Register)
- **OUTCOME :** Learned about SMTP WORKING

### Bulk Email Validator Using PING

- Built an **Email Validator** using PING that processes a CSV file of email addresses.
- Validates each email and **returns a new CSV file** with responses marked as **valid or invalid**.
- Ensures accurate data handling, **reducing invalid entries and supporting bulk validation with 95% accuracy**.
- YOUTUBE LINK : [Email validator through Ping , DNS record ,Server response , mail exchange](#)
- **OUTCOME :** Learned About Email validator through Ping , DNS record ,Server response , Mail exchange

PLEASE CHECK PORTFOLIO FOR LATEST PROJECT AND THEIR DEMONSTRATION

PORTFOLIO LINK : [Hari Om Singh\\_Portfolio.io](#)