

Shivanshu Gupta

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PROFESSIONAL SUMMARY

As a CS student, I excel in Python and Java programming and possess strong problem-solving skills. Proficient in developing web applications using the MERN stack and familiar with various development tools and technologies. I am keen to contribute to innovative projects and continuously expand my knowledge in computer science.

EDUCATION

B.Tech (Computer Science) 2021 – 2025 | Kanpur
Pranveer Singh Institute Of Technology, Kanpur
• CGPA : 7.5

INTERMEDIATE 2019 – 2020 | Mahoba
Saraswati V M Inter Collage, Mahoba
• Percentage : 66%

HIGHSCHOOL 2017 – 2018 | Mahoba
M Kalyan S SI C Nahadaura Maf Mahoba
• Percentage : 78%

SKILLS

Language: — Java , Python , JavaScript , HTML, SQL.

Libraries and Frameworks: — CSS, Bootstrap, React, Node.js , Express.js ,Mongodb.

Technologies / Tools: — VSCode, Git, Arduino IDE, Postman, Mysql, IOT.

Courseworks: — Data Structures and Algorithms , Computer Network , DBMS.

PROJECTS

Automata on the Asphalt Jul 2024 – present

A Look at the Rise of Self-Driving Cars

- Developed a real-time pothole detection system to enhance road safety and prevent vehicle damage by early detection and reporting of potholes.
- Collected and annotated a diverse dataset of potholes to ensure robust model training and evaluation.
- Employed and compared deep learning object detection algorithms to identify the most effective model for pothole detection.
- Technology : Deep learning (YOLOv4, SSD-TensorFlow, YOLOv3-Darknet53, YOLOv4-CSPDarknet53) , Python.

Employee Management App Apr 2024 – Jun 2024

- Implemented features to add and manage employee records, including name, salary, and file uploads, ensuring complete and accurate information storage.
- Developed efficient search and filter capabilities to quickly locate specific employee records, enhancing data management and accessibility for administrators.
- Integrated Cloudinary for secure and efficient file handling and storage, ensuring robust CRUD operations for maintaining employee information.
- Technologies: JavaScript | Node.js | Express | React | MongoDB | RESTful APIs | Cloudinary.

EcoFill Sep 2023 – Jan 2024

Sustainable Water Tank Monitoring Using IoT

- Innovative Water Tank Auto Fill System, leveraging IoT for efficient water management. Simplifies tank oversight, enhances conservation, and ensures water quality.
- Developed a system that integrates an ultrasonic sensor, Node MCU microcontroller, and relay module for precise monitoring and control of the water filling process.
- Created a user-friendly interface with Bluetooth connectivity, allowing remote control and mode switching between automated and manual.
- Skill - C/C++ | IOT | Sensor Integration | HTML | CSS.

CERTIFICATES

Object Oriented Programming Using Python Mar 2023 – Jun 2023
Infosys Springboard

HTML, CSS, And Javascript For Web Developers Sep 2023 – Mar 2024
Coursera

Java Masterclass Apr 2024 – Jul 2024
Udemy