

DIVYSHRESTH VISHWAKARMA

* Deoria, Uttar Pradesh, India — [Linkdln](#) — [Github](#)

Summary

Passionate Computer Science undergraduate with interests in IoT, Embedded Systems, Web Development, Open Source, and Problem Solving. Experienced in developing real-time monitoring solutions using IoT technologies and building responsive web applications. Strong foundation in programming, software development, and collaborative project work.

Education

Samrat Ashok Rajkiya Engineering College, Mirzapur Aug 2024 – Present
Bachelor of Technology in Computer Science Engineering

Saraswati Sr. Secondary Vidya Mandir Apr 2019 – Mar 2023
Higher Secondary Education

Experience

Campus Mantri — GeeksforGeeks Jan 2026 – May 2026

- Engaged students in learning opportunities through workshops, challenges, and technical discussions.
- Contributed to community growth initiatives and technical content creation.

Projects

IoT-Based ECG Monitoring System 2025
Incubation Center, Rajkiya Engineering College (REC), Sonbhadra

- Contributed to the design and development of an IoT-based ECG Monitoring System under the guidance of Faculty Dr. Gaurav Pandey.
- Integrated biomedical signal acquisition with Internet of Things technologies for real-time cardiac monitoring.
- Worked on ECG signal collection, processing, and wireless transmission for remote healthcare applications.
- Enabled continuous patient monitoring and remote health assessment through connected devices.

Smart MicroPlastic Monitoring System 2025
Team IoTronix — Environmental Monitoring & IoT Research Project

- Developed a low-cost IoT-based solution for real-time detection and monitoring of microplastic pollution in water bodies.
- Utilized sensors, embedded systems, and cloud-based technologies for environmental monitoring.
- Implemented real-time data collection and visualization for pollution analysis and decision-making.
- Focused on scalable and affordable environmental monitoring solutions for sustainable water management.

Technical Skills

Programming Languages: Python, JavaScript, C, C++

Web Development: React.js, HTML, CSS, Node.js

IoT & Embedded Systems: ESP32, Sensors, Data Acquisition, IoT Communication

Tools & Platforms: Git, GitHub, VS Code, Linux

Core Concepts: Data Structures & Algorithms, OOPs, Operating Systems, DBMS

Achievements & Leadership

- Secured **3rd Rank** in Smart India Hackathon (SIH) Internal Hackathon.
- Selected as **GeeksforGeeks Campus Mantri**.
- Shortlisted for **Student Ambassador Program 2026**.
- Active contributor to technical communities and open-source initiatives.

Positions of Responsibility

- Event Head and Coordinator for multiple technical and cultural activities at college.
- Volunteer and organizer for workshops, hackathons, and coding events.

Interests

IoT Systems, Embedded Development, Competitive Programming, Open Source, Web Development, Artificial Intelligence, Technology Communities