

SHIVAM KUMAR MISHRA

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SUMMARY

Passionate and self-motivated Electronics and Communication Engineering student with hands-on experience in web development, embedded systems, and project-based learning. Proficient in Python, C, and web technologies, with strong problem-solving and teamwork skills. Eager to apply technical expertise in real-world applications.

TECHNICAL SKILLS

- **Programming Languages:** Python, C
- **Web Development:** HTML5, CSS3, JavaScript, SQL
- **Embedded Systems:** Arduino Programming, Circuit Design
- **Software Tools:** Adobe Photoshop, Microsoft Office, Active-HDL
- **Soft Skills:** Problem-Solving, Teamwork, Communication, Project Management

PROJECTS

Obstacle Avoidance Robot (Voice Controlled)

- Developed an autonomous robot using Arduino and ultrasonic sensors.
- Integrated voice control using Python and speech recognition libraries.
- Enhanced obstacle detection efficiency by 30%.

Student Database Management System (SQL & Python)

- Designed and implemented a database management system for students.
- Utilized SQL for backend data storage and Python for GUI development.
- Improved data retrieval speed by optimizing query performance.

E-Commerce Website (Flipkart & Amazon Clone)

- Built a responsive e-commerce website using HTML5, CSS3, and JavaScript.
- Integrated user authentication, product listing, and cart functionality.
- Designed an intuitive UI for better user experience.

Snake Game (Python)

- Developed a classic Snake game using Python and Pygame library.
- Implemented scoring and difficulty levels for an engaging experience.

EDUCATION

Dr. B.C. Roy Engineering College

B.Tech in Electronics and Communication Engineering | 2023 - Present (Expected 2027)

Sudhir Memorial Institute, Madhyamgram

Class 12 | Completed in 2023

ADDITIONAL INFORMATION

CERTIFICATIONS

- AWS Foundations of Prompt Engineering & Introduction to Generative AI
- Cyber Security Basic Concepts - Cyber Security Centre of Excellence & WEBEL
- Basic Computer Course (BCC) - National Institute of Electronics & Information Technology (ID: KK96E70113599012)

Achievements & Extracurricular Activities

- Participated in space-related competitions and student challenges.
- Actively engaged in web development and cybersecurity learning programs.
- Working on new tech projects to enhance problem-solving abilities.

Languages

- English (Proficient)
- Hindi (Native)