

# ADARSH PANDEY

## WEB DEVELOPER

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Adarsh Pandey

Adarshpandey-007

### SKILLS

#### TECHNICAL SKILLS:

- Programming Languages: C, Python, Assembly, Java
- Web Development: HTML, CSS, JavaScript, Node.js, MongoDB, MySQL, Tailwind CSS
- Databases: DBMS, Data Structures
- Machine Learning: Recommendation Systems, Chatbots
- Tools: Git, Visual Studio Code, [Other relevant tools].

#### SOFT SKILLS:

- Problem-solving | Logical Thinking | Teamwork | Leadership | Good Communication | Adaptable

### CERTIFICATIONS

- NPTEL: Certified in C Programming and Assembly Language
- NPTEL: Completed Python Course

### EDUCATION

#### BACHELOR OF TECHNOLOGY (B.TECH) IN COMPUTER SCIENCE ENGINEERING

Vishveshwarya Group of Institutions, G.B Nagar (AKTU)  
2022 - 2026  
GPA: 7.4

### PERSONAL DETAILS

**Date of Birth:** 23rd April 2006 **Language**

**Proficiency:** English and Hindi

**Address:** Greater Noida , Uttar Pradesh

Results-driven Web Developer with a strong foundation in programming languages and passion for leveraging technology to create innovative solutions. Proficient in C,C++, Python, Assembly, Java, HTML, CSS, JavaScript, Node.js, MongoDB, MySQL, and other relevant tools. Demonstrated leadership and problem-solving skills through active involvement in college projects and extracurricular activities. Seeking a challenging role to contribute my expertise to cutting-edge projects and drive technological advancements.

### ACADEMIC PROJECTS

#### RESEARCH PAPER AND BOOK PUBLISHING AND READING PLATFORM:

- Designed and built a user-friendly platform for authors to publish and share their research papers and books.
- Incorporated features for peer review, citation management, and search functionality.
- Implemented a robust content management system to streamline the publishing process.

#### RECOMMENDATION SYSTEM:

- Built a collaborative filtering-based recommendation system to suggest relevant products or content to users.
- Utilized machine learning algorithms to analyze user preferences and behavior patterns.
- Implemented a real-time recommendation engine for personalized experiences.

#### HEALTH-ED-PRO

- Developed a comprehensive **HealthEdPro** Mental Wellness Platform . Built self-assessment tools, personalized AI advice, community support, resource library, and emergency contact information. Designed to enhance mental health care accessibility and effectiveness.
- Technologies Used:** HTML, CSS, JavaScript, Google Firebase, Machine Learning (ML), Natural Language Processing (NLP).

### RESEARCH EXPERIENCE

#### ANTI-DRONE SYSTEM :

- Write in-depth research paper on advanced drone detection and neutralization techniques.
- Developed novel algorithms for real-time drone detection using sensor data fusion and machine learning.

#### Key Features:

- Real-time detection: Utilizes advanced sensors (e.g., radar, infrared, acoustic) and AI algorithms to accurately identify and track drones.
- Soft-kill capabilities: Employs non-lethal methods to disable or deter drones, such as:
  - RF jamming: Disrupts drone communication and control signals.
  - Laser interference: Interferes with drone sensors and navigation systems.
  - Acoustic harassment: Emits high-frequency sounds to disorient drones.
- Hard-kill capabilities: Implements lethal measures as a last resort, such as:
  - Kinetic strikes: Uses projectiles or nets to physically destroy drones.
  - Directed energy weapons: Employs lasers or microwave beams to disable or destroy drones.
- Integration with existing security systems: Seamlessly integrates with existing surveillance and security infrastructure for comprehensive protection.

### EXTRA CURRICULAR ACTIVITIES

#### COLLEGE ANNUAL FUNCTION:

- Led a team of students in organizing and executing the annual college function.
- Developed the event concept, managed the budget, and coordinated with various stakeholders.
- Successfully delivered / hosted a memorable event with high attendance and positive feedback.