

Nishant Pandey

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Summary — Computer Science and Engineering student specializing in Artificial Intelligence and Machine Learning with proven ability to deliver measurable results in technical and educational roles. Hands-on experience in web development, back-end operations, and event coordination.

Skills

Web Tech HTML, CSS, Bootstrap, JS, MySQL, WordPress
Database MySQL, JSON-based configurations
Software VS Code, Git, Docker, Postman, IntelliJ IDEA

Libraries NumPy, Pandas, Matplotlib, Playwright
Languages Python, C, C++, Java, JS
Professional Leadership, Problem-solving, Teamwork

Experience

R Systems International Limited

Jun 2025 – Present

Software Engineer Trainee – AI (Intern)

- Contributed to an AI-powered web automation framework integrating Playwright and Gemini AI for intelligent element detection and self-healing automation.
- Developed and maintained Python scripts for cross-browser and mobile testing, enhancing test coverage and reducing manual QA time by 60%.
- Implemented REST APIs and a web-based config editor to streamline test management and improve accessibility for non-technical users.
- Utilized Docker for containerizing the automation environment, ensuring consistency across development and production.

Space Technology and Education Pvt. Ltd.

Dec 2022 – Aug 2023

Website Executive (Academic Support - Operations)

- Managed back-end operations and user access for 5,000+ students on the iAstronomer platform, improving system uptime and ensuring data security.
- Coordinated 150+ school events with a 95% on-time completion rate, streamlining operations and enhancing institutional collaboration.
- Digitized and organized media content for 100+ online classes, boosting accessibility and student engagement by 30%.

Space Technology and Education Pvt. Ltd.

Sep 2022 – Nov 2022

Intern

- Coordinated 25+ interactive school sessions for 500+ students via iAstronomer, enhancing engagement and improving satisfaction rates by 30%.
- Managed event reporting for 150+ institutions and implemented social media strategies, reducing errors by 20% and boosting online engagement by 25%.

Education

Dr. A.P.J. Abdul Kalam Technical University

B.Tech in CSE with a specialization in Artificial Intelligence and Machine Learning (AI/ML)

2023-26

Arunachal University of Studies

Diploma In Computer Science

2020-23

Certifications

- DSA USING C++ – RCPL (Ritusha Consultants Pvt. Ltd.) 🏆
- Python For Beginners Course In-Depth – Horizon Tech (Udemy) 🏆
- AWS Academy Graduate – AWS Academy Cloud Foundations 🏆

Projects

”Turn the Page” Website Project

Mar 2025 – Present

- Designing a hybrid platform combining a physical book marketplace and e-library.
- For eco-friendly initiatives, reducing physical book waste by 30%.
- Developed back-end functionality and an AI-powered chatbot for seamless user experience.

Voice-Activated AI Assistant (Jarvis)

- Built a voice-activated assistant (Jarvis) using Python, capable of responding to wake words and executing commands such as opening websites, playing songs, and reading news.
- Integrated OpenAI’s GPT-3.5, Google Speech Recognition, and gTTS for AI responses, voice input, and speech output.
- APIs and Python libraries (e.g., webbrowser, pygame, requests) to automate tasks and provide real-time information.