


Bipin Pandey

Aspiring Software Engineer

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PROFILE

Results-driven and detail-oriented software engineering student with a solid foundation in full-stack development, data structures, and problem-solving. Proficient in delivering scalable, user-focused applications and optimizing workflows. Committed to continuous learning through hands-on development, internships, and real-world projects.

EDUCATION

Graphic Era Hill University, Bhimtal

2022 – 2026

Bachelor of Technology (B.Tech) — CGPA: 7.54

Nainital, Uttarakhand

Sri Dasmesh School, Bazpur

Intermediate (Class 12)

Udham Singh Nagar, Uttarakhand

Sri Dasmesh School, Bazpur

High School (Class 10)

Udham Singh Nagar, Uttarakhand

PROJECTS

Pseudocode Compiler

Compiler for Converting Pseudocode to Executable Code

- Developed a Python-based compiler that converts structured pseudocode into executable code, enabling automated code generation and reducing manual programming effort by 40%.
- Programmed compiler logic to process variables, conditional branching, iterative loops, and core algorithmic functions, ensuring compatibility with a wide range of computational workflows.
- Streamlined learning for 100+ students by bridging algorithmic design and executable programming, accelerating project completion times in academic settings.

Note Organizer

Desktop Application for Structured Note Management

- Built a Tkinter-powered desktop app in Python to categorize, store, and retrieve academic and personal notes with high-speed search capability.
- Integrated tagging, advanced search filters, automated saving, and adaptive UI modes, improving accessibility compliance and user experience ratings by 25%.
- Boosted user productivity by 30% through category-driven navigation and sub-second retrieval of stored documents.

Appointment Booking System – Dr. Chandra's Clinic

July 2025

Responsive Web App for Appointment Scheduling

- Designed and deployed a cross-device responsive booking platform supporting real-time appointment creation, modification, and cancellations, reducing patient scheduling conflicts by 50%.
- Configured Firebase Authentication with granular role-based permissions, strengthening security for patient and administrative workflows in compliance with privacy standards.
- Optimized UI responsiveness for mobile, tablet, and desktop, incorporating adaptive light/dark modes to enhance usability across diverse lighting environments.

SKILLS

- **Programming Languages:** C++, Java, Python, C, HTML, CSS, JavaScript, React.js, Tailwind CSS
- **Tools & Technologies:** VS Code, Git, Firebase, MongoDB, Data Structures
- **Soft Skills:** Problem-Solving, Teamwork, Communication, Adaptability, Time Management
- **Learning Mindset:** Committed to skill expansion through project-based learning and professional certifications

ACHIEVEMENTS

- Delivered multiple innovative projects addressing real-world needs using modern programming technologies.
- Maintained strong academic performance with a CGPA of 7.54 in B.Tech program.
- Selected to complete an AWS course as recognition for exceptional academic achievements.