

DEEPANSHU TIWARI

Software Engineer

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Education

Graphic Era Hill University

September. 2022 – May 2026

Bachelor of Technology in Computer Science and Engineering, Average CGPA - 7.36

Bhimtal, Uttarakhand

Technical Skills

Programming Languages : Java, C, Python

Database Management : MySQL, PostgreSQL

Web Technologies :HTML/CSS, Tailwind CSS, Javascript

Tools :Github, VS Code, IntelliJ idea, Netbeans

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management
- Operating System
- Computer Architecture
- OOPS Programming in Java

Projects

Bank Management System | *Java(Swing and AWT), MySQL, IntelliJ idea*

March 2023

- Developed a secure banking application with Java Swing, AWT, and SQL, featuring user authentication, fund transfer operations, and detailed transaction records.
- Designed and implemented an interactive banking GUI using Java Swing/AWT, supporting customer registration, deposits/withdrawals, and transaction history tracking. .
- Integrated SQL to store and manage user account data and transaction histories.
- Designed a user-friendly interface, ensuring smooth and intuitive operations for deposits, withdrawals, and balance inquiries.

IOT- Aware Script Compiler | *Django, PyQt, VS Code, Compiler design*

December 2023

- Architected a lightweight compiler using Python and C/C++ to parse and execute domain-specific scripts for controlling IoT devices in real-time
- Implemented custom syntax parsing and code translation for edge devices, enabling dynamic control of sensors and actuators without firmware re-flashing.
- Integrated serial and socket communication modules for seamless interaction between compiler, microcontrollers (e.g., Arduino), and IoT hardware, optimizing deployment and debugging time by 60%.

Creatr — web tool for content creator | *React JS, Next JS, Mongo DB*

September 2025

- Developed an AI-powered content creation platform that generates high-quality posts, captions, and articles using generative AI models.
- Built an intelligent photo enhancement and editing module using GenAI to automatically improve image quality, lighting, and style.
- Integrated text-generation, image-generation, and content-optimization features to automate the entire creative workflow.

Certifications

- * Microsoft Azure AI Essentials: Workloads and Machine Learning on Azure
- * AWS Cloud Practitioner Essentials
- * MongoDB Developer's ToolKit

Leadership / Extracurricular

- Completely Solved Over 300+ DSA Problems in Multiple Platform
- Participated in Multiple Hackathon Including OnCollege and Off campus
- Selected for the second round of the 3-day Tech Wizard competition, showcasing technical proficiency and problem-solving skills.
- **We Code Club Member** from 2022 to till now
- Attended the second round of the Flipkart Grid 6.0 Hackathon, leading a team of 2, and demonstrated advanced coding and teamwork abilities in a competitive environment.