Abhay Bahuguna

📞 +91-9458124662 ✉ abjun504@gmail.com 🔗 linkedin.com/in/abhay-bahuguna 🔗 github.com/Abhay056

Education

Graphic Era Hill University   July 2022 - July 2026
B.Tech in Computer Science and Engineering — CGPA 8.09/10   Dehradun,Uttarakhand

10+2 CBSE (PCM)   April 2019 - March 2021
Scored 92%   Almora,Uttarakhand

Coursework

- Data Structures and Algorithms
- Object Oriented programming
- Operating Systems
- AI and Machine Learning

Projects

Plagiarism Detection System (KMP, Hash Table) 🔗   [May '24- Jun '24]

- Developed a plagiarism detection system with advanced string-matching algorithms and hash tables.
- Efficiently handled large sets of documents using optimized data structures and comparison techniques.

Human Detector and Counter (Python, OpenCV, YOLOv8) 🔗   [Aug '24- Sep '24]

- Implemented a system that accurately detects and counts humans in real-time video streams or images.
- Efficient solution for various applications requiring human presence monitoring.

Nano C/C++ Compiler (Lex, YACC, GCC, React.js) 🔗   [Apr '25- Jun '25]

- Developed an interactive Nano compiler with basic error handling.
- Includes Lexical, Syntax, and Semantic phase implementation.

Expense Tracker App (React.js, Next.js, Supabase) 🔗   [Jun '25- Jul '25]

- Useful application for efficiently managing daily expenses with user authentication.
- Multiple features including monthly budgets, filters, and expense summary with charts.

Achievements

- Achieved **Specialist** on Codeforces and **3 Star** on CodeChef
- **Amazon ML Summer School 2025:** Selected for the prestigious ML program by Amazon.

Certifications

- **Gen AI Study Jams:** (Certificate Link) Completed Gen AI Study Jams consisting of comprehensive learning sessions covering Google Generative AI Labs. (Oct 24)
- **Postman API Fundamentals:** (Certificate Link) Built and tested APIs using collections, environments, and test scripts with JavaScript. (Aug 25)

Technical Skills

- **Languages**: C/C++, Python, Java, Kotlin
- **Web Development**: Tailwind CSS, JavaScript, React.js, Node.js, Express.js, Next.js
- **Databases**: MySQL, PostgreSQL, MongoDB
- **Developer Tools**: GitHub, Docker, AWS, GCP

Personal Skills

- Collaboration
- Leadership
- Goal Oriented
- Good Listener