

Manas Verma

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PROFILE

A dedicated Software Developer with a strong passion for technology and problem-solving skill.

EDUCATION

Graphic Era Hill University

Bachelor of Technology in Computer Science Engineering

Bhimtal, Uttarakhand, India

September 2022 – present

SKILLS

Technical: C, Python, HTML, CSS, JavaScript

Framework: Node.js, Express.js, Tailwind CSS

Tools: MongoDB, VS Code, GitHub, Postman, JWT

Soft Skills: Mentorship, Team Collaboration, Time Management

EXPERIENCE

WeCode Club

Graphic Era Hill University

Mentor

September 2023 – August 2024

- Provided guidance and instruction in Visual Media at WeCode.
- Facilitating comprehensive learning in content creation, mentored a cohort exceeding 400 students.
- Expertise in both photography and video editing aspect.

PROJECTS

Transpiler – (Python, JavaScript, AST, Node.js, CLI, VS Code) ([URL](#))

March 2023 – May 2023

- Designed and implemented a unique transpiler that converts JavaScript to equivalent Python code.
- Created a recursive parsing logic in Python to interpret and standardize expressions, functions and control structures.
- Automated the code translation process, which improved cross-language compatibility and reduce manual rewriting.

TorrentMe – (C++, TCP, SHA-1, CLI, VS Code) ([URL](#))

January 2024 – April 2024

- Created a C++ peer-to-peer file sharing system with socket communication and custom tracking protocols.
- To guarantee file integrity, huge files were divided into hashed portions and multi-threaded peer synchronization was debugged.
- Deployed the project with CLI interface, verified successful downloads, and redesigned network transfer reliability.

WealthWise – (Kotlin, MVVM, Room DB, XML, Android Studio)

December 2024 – Present

- Engineered a cutting-edge Android Expense Tracker to record, categorize, and display daily spendings.
- Integrated Room DB for local data persistence and customized the UI using Material Design components.
- Validated user inputs, tested for seamless operation, and deployed features that increase awareness of personal finance.

CERTIFICATIONS

- **Complete AWS Cloud Practitioner Training – CLF-C02** – Gained knowledge of AWS services, global infrastructure, billing, security, and cloud concepts.
- **The Complete Full-Stack Web Development Bootcamp** – Covered development using HTML, CSS, JavaScript, Node.js, React, MongoDB, and deployment practices.
- **The Complete Android 14 & Kotlin Development Masterclass** – Built Android apps using Kotlin, Jetpack components, Room DB, and Modern UI/UX design MVVM architecture.