

# NIRMAL KUMAR

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## TECHNICAL SKILLS

**Languages :** C++, Python, C, HTML, CSS, SQL

**Databases :** MySQL

**Tools :** VS Code

## PROJECTS

### SECURE MESSAGING APPLICATION (C++, OOPS)

- Built a terminal-based **Secure Messing App** in C++
- Applied **Object-Oriented Programming (OOP)** concepts: classes, encapsulation, modular design
- Implemented **user registration, messaging, and retrieval features.**
- Added **XOR-based encryption** for secure message transfer
- **Technologies:** C++, OOP, Data Structures, STL

### OVERVIEW OF PROJECT

Developed a terminal-based Secure Messaging App in C++ using OOP principles, implementing user management, secure messaging with XOR encryption, and STL-based data handling.

### CERTIFICATIONS AND COURSEWORK

- [Deloitte Australia - Technology Job Simulation](#)
- [McKinsey.org Forward Program](#)

### SOFT SKILLS

- **Critical Thinking & Problem Solving** – approaching challenges with structured solutions.
- **Adaptability & Learning Agility** – quickly mastering new tools, environments, or roles.
- **Analytical Thinking** – breaking down complex issues into actionable steps.
- **Creativity & Innovation** – generating novel ideas and solutions.
- **Decision-Making** – making timely, sound judgments with limited information.
- **Collaboration Across Cultures** – working effectively in diverse environments.
- **Emotional Intelligence** – understanding and managing interpersonal dynamics