NIDHA NUREEN

+64 22 684 6574 · nnurwork@gmail.com · Auckland 1041

EDUCATION

University Of Auckland *Expected Completion: 2025*
BSc in Computer Science
Some Related Coursework:

COMPSCI 220: Algorithms and Data Structures | COMPSCI 230: Object Oriented Software Development | COMPSCI 225: Discrete Structures in Mathematics and Computer Science | COMPSCI 361: Machine Learning (in progress) | COMPSCI 351: Fundamentals of Database Systems

SKILLS

- **Programming Languages:** Proficient in Python, with experience in C#, Java, JavaScript.
- **Web Development Skills:** Experienced in HTML and CSS, with solid familiarity in using Flask for web application development.
- **API Development & Integration:** Some experience in developing and consuming APIs, including working with ASP.NET/C# to build simple APIs and using JavaScript to interact with third-party APIs.
- **Version Control:** Experienced in using Git for version control and GitHub for code repository management.
- **Design & Tools:** Experienced with Figma for UI/UX design and prototyping; familiar with other development tools like PyCharm, IntelliJ, and VS Code.
- **Database & ORM Technologies:** Experienced in SQL, including basic operations like managing database relationships and performing CRUD tasks.

PROJECT EXPERIENCE

Automated PC Maintenance - Python, Tkinter, threading, schedule

- Developed an automated PC maintenance application using Python, improving system performance by periodically deleting temporary files and managing storage.
- Implemented a background scheduling system with threading and schedule, allowing the app to run silently in the system tray and execute cleanups at user-defined intervals.
- Designed a GUI with Tkinter for users to configure cleanup settings, select folders, and monitor logs, ensuring ease of use and persistent settings across restarts.
- Integrated Windows startup functionality using the registry, enabling the application to launch automatically and maintain consistent system upkeep.

Podcast Web App - Flask, SQL, ORM, HTML/CSS, Agile

- Collaborated on a podcast web app in a university Agile project; took ownership of Flask backend development, led GitHub collaboration, and supported teammates with debugging and implementation decisions.
- Developed full-stack user authentication using CSRF-protected HTML forms, and built podcast browsing/search page with episode playlist add/remove features.
- Led migration to a SQL database by integrating an ORM layer to map domain models, improving scalability and maintainability.

NZSL Web Application for Beginners - JavaScript, C#, .NET, HTML/CSS

- Built a RESTful API using C# and ASP.NET Core to provide structured access to NZSL signs and event data, forming the backend for the web application.
- Developed a dynamic web application to help beginners learn New Zealand Sign Language (NZSL), using JavaScript, HTML, and CSS for front-end development and consuming the custom REST API.
- Implemented user registration and login functionality, including form validation and client-side management of login state.
- Designed an intuitive user interface with interactive features such as a searchable sign dictionary, event calendar, and a guestbook for user comments.

WORK EXPERIENCE

SEP 2024 - PRESENT

Private Python Tutor
Self-employed

Privately tutored Python to students in Year 8 to Year 10, helping them improve their coding skills through hands-on exercises and problem-solving tasks. Focused on building foundational programming concepts and boosting students' confidence in coding.

FEB 2024 - PRESENT

East Restaurant, Sudima Hotels
Food and Beverage Assistant

Helped refine skills such as multitasking, problem-solving, and communication. The experience has taught me to manage multiple tasks efficiently, think on my feet to resolve issues quickly, and communicate effectively with team members and customers.