

Shubh Soni

Software Engineer

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EDUCATION

Conestoga College

Advanced Diploma, Software Engineering

Waterloo, Ontario

Jan 2023 - Apr 2025

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C/C++, PHP, HTML/CSS, TypeScript, Kotlin, Swift, C#, Assembly, JSON
Frameworks: Django, Flask, Spring Boot, React, Angular, Node.js, Express.js, Vue, .NET, ASP.NET, Laravel, Bootstrap, jQuery
Databases: MySQL, PostgreSQL, MongoDB, SQLite
Developer Tools: Git, GitHub, GitLab, GCC, GDB, Doxygen, NPM
Cloud & APIs: Google Cloud, REST APIs
Infrastructure: Linux, IIS, TCP/UDP
Design: Lucidchart, Mockflow, Adobe Creative Suite
Methodologies: Agile/SCRUM, OOP, Data Structures & Algorithms, TDD, GNU Debugging

PROJECTS

Handwritten Text Recognition | Web Application - Flask, Google Vision API, Google Translate API

- Engineered the development of a **handwritten Optical Character Recognition** web application that achieved **98%** text extraction accuracy, by implementing Google Vision API with custom preprocessing techniques, eliminating manual transcription needs for over **2,000 potential users**
- Established multi-format document generation pipeline, enabling users to download recognized text in three different formats, improving workflow integration possibilities by **90%**
- Constructed protected user management system with activity logging and strengthened authentication, reducing security vulnerabilities by **85%** while maintaining intuitive user experience

Emergency Health QR | FullStack Application - Flask, Python, Javascript

- Designed a **Flask**-based Emergency Health Card system with secure authentication, QR code integration, and **SQLite** database, decreasing emergency data retrieval time by **70%** and amplifying user accessibility by **60%**
- Built a responsive dashboard with dynamic form handling for multiple emergency contacts, optimizing data flexibility by 40% and safeguarding health records with **bcrypt** hashing, limiting unauthorized access by **85%**

Kindle Library | FullStack Application - Java, SQLite

- Constructed Kindle Library Android application, utilizing **Java** for frontend development and **SQL** for backend database management to create a book-buying experience with secure authentication features
- Oversaw file handling, network interactions, and data storage management using asynchronous tasks, following an architecture for code modularity

EXPERIENCE

Software Developer

Freelance

May 2023 – Present

- Implemented a real-time data analytics system using **Python**, streamlining data processing time by 40% and elevating efficiency, with results stored in **MySQL** for further analysis
- Coordinated with a team to create a cross-platform application in **C#** using **ASP.NET**, enhancing client-server communication by 30% and boosting user experience through the integration of **JSON** and **jQuery** for dynamic content updates

Software Engineering Academic Tutor

Conestoga College

May 2023 – Dec 2023

- Provided one-on-one tutoring sessions in **Data Structures, Algorithms, and version control**, facilitating project success and coursework comprehension
- Organized peer study groups and led review sessions, improving collaborative learning and increasing student retention by 35%