Shubh Soni

Software Engineer

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EDUCATION

Conestoga College   Waterloo, Ontario
Advanced Diploma, Software Engineering   *Jan 2023 - Apr 2025*

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, TypeScript, C/C++, PHP, HTML/CSS, Kotlin, C#, Assembly, JSON
Frameworks: Flask, React.js, Node.js, Express.js, Next.js, Spring Boot, .NET, ASP.NET
Databases: MySQL, PostgreSQL, MongoDB, SQLite
Developer Tools: Git, GitHub, Docker, GCC, GDB, Doxygen, NPM
Cloud & APIs: Google Cloud, AWS, REST APIs
Infrastructure: Linux, IIS, TCP/UDP
Design & Management: Lucidchart, Mockflow, Balsamiq, Adobe Creative Suite, Jira
Methodologies: Agile/SCRUM, Object-Oriented Programming, Data Structures & Algorithms, Test-Driven Development

PROJECTS

Handwritten Text Recognition | *Web Application - Flask, Google Vision API, Google Translate API*
- Developed 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
- Constructed protected user management system with activity logging and strengthened authentication, reducing security vulnerabilities while maintaining intuitive user experience

Emergency Health QR | *FullStack Application - Flask, Python, Javascript*
- Created a Flask-based Emergency Health Card system with secure authentication and QR code integration for emergency data retrieval
- Developed a responsive dashboard with dynamic form handling for multiple emergency contacts and medical information
- Enhanced data security through comprehensive encryption protocols, reducing vulnerability exposure by 80%

Kindle Library | *FullStack Application - Java, SQLite*
- Built 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
- Created a recommendation system that increased user engagement with relevant content by 70%
- Engineered advanced filtering system enabling users to search books by genre, author, and price range, with real-time results processing and Firebase integration for secure user authentication and data storage

EXPERIENCE

Software Developer   May 2023 – Present
Freelance
- Developed a real-time inventory management system using Python and MySQL for a local retail business, processing over 500 daily transactions
- Collaborated with client to implement automated order processing workflow that reduced manual tasks by 45%
- Integrated third-party APIs to enhance application functionality while maintaining optimal performance
- Provided ongoing maintenance and support, resolving client-reported issues within 24 hours with 85% success rate

Software Engineering Academic Tutor   May 2023 – Dec 2023
Conestoga College
- Delivered one-on-one tutoring sessions in Data Structures, Algorithms, and version control to facilitate project success
- Facilitated peer study groups and review sessions, improving collaborative learning among students
- Introduced pair programming techniques that fostered collaborative coding skills and teamwork