Shivam Kaushik

Toronto, ON

(437) 667-8011 | [LinkedIn](#) | Shivamkaushik2k@gmail.com

SOFTWARE ENGINEER

Python| C# | SQL | Java | Agile Development | Cloud | Full-Stack Development

- 2 years of experience specializing in backend development using C# and ASP.NET
- Student of Artificial Intelligence - Software Engineering Technology Advanced Diploma; Holds a Bachelor of Technology in Computer Science and Engineering
- Proficient in building and maintaining scalable backend services and APIs, and integrating cloud services
- Strong collaborator in Agile environments, with a focus on performance optimization, debugging, and clean code practices
- Applied knowledge of the software development life cycle, Agile practices and web accessibility
- Knowledgeable of ML foundations, supervised learning techniques and algorithms & data structures

TECHNICAL SKILLS

Programming:	Python, SQL, C#, Java, HTML, CSS, JavaScript
Frameworks & Tools:	ASP.NET, Angular, Node.js, Express, React, Flask, Jenkins, Specflow, Spring Framework
Technologies:	RESTful API Development, Git, Jira, Kanban, Confluence
Cloud Platforms:	Azure (cloud services, deployment, and management)
Web Services:	JSON, XML, JDBC, REST APIs, SOAP, Apache
Database:	SQL Server, Oracle, My SQL, Postgres SQL

RELATED WORK EXPERIENCE

Software Developer (Co-op) Ministry of Ontario (MCCSS), Toronto, ON May 2024 - Present
- Developed, maintained, and optimized Java applications to enhance efficiency in public service projects
- Integrated RESTful APIs and optimized database queries with MySQL for improved system performance
- Collaborated in an Agile environment, implementing new features and providing technical support

Software Engineer - II Thales, Noida, India March 2023 - June 2023
- Improved development methodologies, fostering ongoing enhancements and improvements
- Managed diverse Kanban tasks, ensuring seamless project progression & executing varied release activities
- Developed a Python framework for versatile API communication using REST and GRPC methods

Software Engineer - I Thales, Noida, India Aug 2022 - March 2023
- Restructured SAS code, optimizing Thales's product architecture and performance
- Collaborated with product managers, aligning priorities and meeting project deadlines effectively
- Implemented C# code layers, employing advanced techniques like dependency injection, enhancing code modularity, and ensuring maintainability

Software Developer Intern Thales, Noida, India Feb 2022 - Aug 2022
- Collaborated with QA, addressing issues for robust software solutions and improved quality
- Proficiently used Agile tools such as JIRA, Confluence, and Jenkins, streamlining workflows

EDUCATION

Software Engineering Technology - Artificial Intelligence Advanced Diploma Sep 2023 - Present
Centennial College, Toronto, ON *Expected Graduation Dec 2025*

Focus Areas: Java | SQL | Web App Development | Software Systems Design | Testing & QA | AI Foundations

Bachelor of Technology in Computer Science and Engineering July 2018 - June 2022
Amity University, Noida, India

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PROFESSIONAL DEVELOPMENT

Python for Everybody - University of Michigan, Coursera | [Certificate Link](#)
Google Analytics Certification – Google, Skillshop | [Certificate Link](#)
Technical Support Fundamentals - Google, Coursera | [Certificate Link](#)

PERSONAL PROJECTS

Image Based Authentication Application
- Developed a secure authentication system that utilizes image recognition and pair verification to enhance user security, offering an alternative to traditional password-based authentication
- Designed a secure Flask API for image-based authentication, utilizing HTML for user interface and PostgreSQL for managing user data and session management

Smart Buy E-Commerce Application
- Developed a full-stack e-commerce platform using the MERN stack (MongoDB, Express.js, React.js, Node.js), offering a robust and user-friendly online shopping experience.
- Developed a responsive MERN stack e-commerce platform with features like product browsing, cart management, secure transactions, and real-time inventory updates using MongoDB

Cancer Prediction Data Analysis Project
- Developed a cancer prediction model by analyzing patient data to identify key patterns and factors that could indicate the likelihood of cancer
- Designed and optimized a SQL database for patient records, employing advanced SQL joins, while using stored procedures and indexed views to enhance query performance and retrieval efficiency

Sapphire Bank Churn Prediction Model
- Built a predictive model using Python that identifies the customers which are at risk of churning at The Sapphire Bank.
- Developed a churn prediction model for a bank to identify customers likely to leave, using machine learning algorithms and deploying the solution with a user-friendly Flask API

ADDITIONAL EXPERIENCE

Math Tutor   Centennial College, Toronto, ON   Jan 2024 - Present
- Assisted students in understanding fundamental mathematical concepts, problem-solving techniques, and advanced topics
- Encouraged student engagement through interactive teaching methods and stimulating discussions
- Fostered a supportive learning environment that promotes confidence, academic growth, and a passion for mathematics

Coding Instructor   Z3 Education Centre, Scarborough, ON   Oct 2023 – April 2024
- Created coding curriculum for kids, teaching Scratch software to build coding basics and interest
- Conducted interactive sessions using diverse teaching styles to engage all learners effectively
- Led hands-on projects, fostering creativity, problem-solving, and teamwork in a positive class setting