

ASHISH GYAWALI

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SUMMARY

Passionate Software Developer with expertise in C#, .NET, JavaScript, and UX design. Skilled in databases (SQL, MySQL, Entity Framework), and cloud platforms (AWS, Azure). Strong background in object-oriented programming, data structures, and algorithms. Proficient in data visualization tools (Power BI, Grafana) and NLP for voice commands. Adept at working in Agile teams, collaborating with QA, designers, and product managers to build impactful ed-tech solutions.

TECHNICAL SKILLS

- **Programming Languages:** C#, C++, JavaScript, JSON, PHP, Python
- **Frameworks:** .NET Core, ASP.NET MVC, Entity Framework, Laravel
- **Web Technologies:** HTML5, CSS3, Bootstrap, jQuery
- **Databases:** MS SQL Server, MySQL, Entity Framework, Dapper, InfluxDB (TSDB)
- **Cloud Services:** AWS, Azure (cloud computing)
- **Version Control:** Git, Azure DevOps, GitHub, Bitbucket
- **Data Visualization:** Power BI, Grafana, xChart
- **DevOps & Tools:** CI/CD Pipelines, Jira, Confluence
- **Design Tools:** Figma, Adobe XD

PROFESSIONAL EXPERIENCE

VAR Lab

Waterloo, ON, Canada

Co-op (AR/VR Software Developer)

September 2024 – December 2024

- Developed 3D simulations of Conestoga College Waterloo Campus using Unity, enhancing VR/AR experiences.
- Trained AI agents with ML Agent reinforcement learning, boosting NPC behavior accuracy by 40% in simulations.
- Implemented Windows Speech and Hugging Face text-to-speech and speech-to-text features, enabling voice commands for AR/VR applications through natural language processing.
- Developed interactive data visualizations using Grafana, Power BI, and xChart, improving stakeholder insights and decision-making.
- Managed InfluxDB (TSDB), hosting it on a virtual machine to store and analyze real-time simulation data.
- Streamlined project tracking and documentation using Jira, Confluence, and Bitbucket in an Agile environment.
- Collaborated with a team of 4 developers, actively participating in bi-weekly sprints and team demo sessions, ensuring continuous development and alignment.

Insource Inc.

Kathmandu, Nepal

Full Stack .Net Developer

August 2022 - April 2023

- Developed EHRNext, a management system for hospitals, clinics, labs, and health care centers (<https://ehr.ehrnext.com/>).
- Set up development and production environments with SQL Server.
- Collaborated operating Git for version control and Azure DevOps for CI/CD pipelines.
- Utilized ASP.NET Core MVC 3.1 concepts, including Models, Providers, and Filters for backend development.
- Gained proficiency in Figma and Adobe XD for designing user interfaces.
- Created responsive front-end applications leveraging DevExpress UI, CSS3, Bootstrap 4.6/5, and jQuery 5.0/4.1.
- Developed complex stored procedures reducing time by 80% for data retrieval and generated comprehensive reports using DevExpress Reporting.
- Collaborated with 4 developers to recommend cryptographic protocol for transfer of confidential data; implemented algorithms for entity authentication and symmetric encryption using Transport Layer Security.

Social IT World

Kathmandu, Nepal

Intern (.Net Developer)

May 2022 - July 2022

- Developed Travel Management Software, a comprehensive platform providing flights, places to stay, villas and homestays, rail and bus tickets, inter-city cab service, holiday packages, and hotel booking services.
- Implemented security and data protection guidelines to achieve 92% efficiency; interacted with 3-member Graphic Designer team to understand objective for converting designs to visual elements as Full Stack Developer.
- Designed and implemented custom ASP.NET User Controls and Web Forms controls.
- Utilized LINQ to Entities, LINQ to SQL, and LINQ to Objects for efficient data retrieval.
- Engaged in comprehensive testing, debugging, error tracing, documentation, and application maintenance.

PERSONAL PROJECTS

SMS Portal, Insource Inc, Nepal

February 2023 – April 2023

- Created an efficient bulk SMS distribution portal for organizational use using ASP .NET CORE.
- *Link to project : <https://github.com/AshishGyawali/sms.git>*

Company Support System, Insource Inc, Nepal

October 2022 – December 2022

- Designed a robust support system to help organizations identify, analyze, and resolve system faults using ASP .NET CORE.
- *Link to project : <https://github.com/AshishGyawali/InsourceSupport.git>*

AWARDS

Best Final Year Project, Tech Showcase Conestoga, Cambridge

April 2025

- Awarded for the outstanding Public Health Inspection (PHI) VR application developed as part of the Mobile Solutions Development Capstone Project.
- Transformed a WebGL-based simulation into a native Meta Quest 3 VR experience, enhancing public health inspection training.
- Integrated XR hand tracking, joystick navigation, and interactive tasks such as temperature checks and handwashing to simulate real-world inspection processes.

Top 5 Finalist, STARTUP AND IDEA FEST 2022, Nepal

April 2021

- Developed and trained a deep learning model for Plant Disease Detection, achieving a 95% accuracy rate using PyTorch using skills in deep learning, model training and evaluation, data analysis, and effective communication.
- Presented project to Hon'ble Minister Tilak Sharma of the Ministry of Internal Affairs of Lumbini Province, along with various government officials, entrepreneurs, and startup leaders, achieving a "Top 5 Finalist" position.
- *Link to project : <https://github.com/kuxall/plant.git>*

EDUCATION

Conestoga College, Waterloo, ON

January 2024 - April 2025

Ontario College Graduate Certificate, Mobile Solution Development

Nepathya College, Nepal

September 2017 - September 2021

Bachelor of Computer Science Information and Technology (CSIT)

HOBBIES

Soccer, Volleyball, Badminton, Basketball, Table Tennis, Hiking, Playing the Guitar