

# SWATI SANGHAI

(+1) 709-740-7096 | St. John's NL, Canada | swatisanghai3103@gmail.com | [LinkedIn](#) | [GitHub](#)

Detail-oriented and adaptable Software Developer with hands-on experience in building secure, high-performance web applications using .NET, Blazor, and C#. Background includes 10+ years of combined experience in development and academia. Passionate about problem-solving, continuous learning, and contributing to impactful software projects. Proven ability to collaborate within Agile teams, write clean and maintainable code, and deliver solutions aligned with user and business needs.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, Java, C#, SQL

**Web Technologies:** HTML, CSS, TypeScript

**API Technologies:** RESTful API Development, JWT Authentication, Entity Framework Core

**Tools:** AWS, Visual Studio, Visual Studio Code, Git, GitHub, JIRA, Trello, Figma, IntelliJ

**Database:** PostgreSQL, MySQL

## RELEVANT EMPLOYMENT EXPERIENCE

### Junior Software Developer – *DuaTask Inc., St. John's, NL* | October 2024 - Present

- Developed and optimized Blazor WebAssembly applications using .NET 8/9, delivering responsive, high-performance user interfaces.
- Designed, built, and integrated RESTful APIs to support secure, data-driven workflows for a pharmacy compounding application.
- Implemented robust authentication and authorization mechanisms using JWT and ASP.NET Core Identity, enabling role-based access control across user roles.
- Managed data persistence and modeling with Entity Framework Core, ensuring efficient and scalable database interactions.
- Collaborated in Agile ceremonies, contributed to sprint planning, and practiced version control using Git to maintain code quality and traceability.
- Diagnosed and resolved bugs and performance issues, contributing to overall system stability and user satisfaction.

### Website Developer – Scrum Master – *Avalon Robotics, St. John's, NL* | April 2024 – August 2024

- Led an Agile team in developing and delivering a WordPress website, collaborating with the CEO on content creation and enhancing user engagement.
- Managed the product backlog, facilitated daily stand-ups, sprint planning, and retrospectives, ensuring efficient team coordination and timely feature prioritization.

### Project Management Intern – *Avalon Robotics, St. John's, NL* | April 2024 – August 2024

Successfully managed a \$1.2M project budget, conducting cash flow analysis, financial reporting, and strategic fund allocation to ensure project sustainability and efficiency.

- Led stakeholder collaboration to launch an AI and robotics training program for newcomers, overseeing project implementation, milestone tracking, and business operations support.

### Assistant Professor | Academic Project Coordinator – *ZCOE Pune University, India* | 2012 - 2018

- Collaborated on curriculum with seamless technology integration and incorporation of student feedback.
- Acted as Lab-In-Charge for Basic Electronic Engineering Labs, focusing on hands-on and enhanced learning for students.
- Coordinated student projects, fostering timely completion and effective team communication.
- Provided counseling and remedial classes for 30% of students, leading to improved performance and increased student confidence.
- Scheduled timetables for 8 divisions, optimizing resource allocation and meeting academic goals, facilitating smooth operations and academic progress.

## SUMMARY OF TECHNICAL PROJECTS

### Stock Market Prediction Using LSTM and RNN

Implemented algorithms for time-series analysis in stock market data to capture long-term dependencies, leveraging LSTM and RNN for accurate and robust market forecasts.

**Tech Stack:** Python, TensorFlow, Pandas, Matplotlib, Streamlit, APIs

### Airline Reservations System

Developed a functional reservations system with a login page, reservations page, and additional options, enabling booking for flights, hotels, and rental cars.

**Tech Stack:** Java

### Credit-card-Fraud-Detection

Developed a credit card fraud detection system using a grid search algorithm to optimize hyperparameters, improving accuracy and efficiency in detecting fraudulent transactions.

**Tech Stack:** Python, Pandas, Numpy, scikit-learn (Random Forest Classifier, GridSearch CV), imbalanced-learn (SMOTE), Standard Scaler, joblib

### EDUCATION

---

**Memorial University, NL, Canada** – *MASc. in Computer Engineering* | Sept 2021 - Aug 2023

### CERTIFICATIONS

---

- |   |  |
|---|--|
| • Certified Scrum Master   Scrum Alliance [ <a href="#">LINK</a> ]  | • CI/CD for Beginners   Simplilearn [ <a href="#">LINK</a> ] |
| • Data Analytics Virtual Internship   KPMG [ <a href="#">LINK</a> ] | • GIT Version Control   Simplilearn [ <a href="#">LINK</a> ] |
| • Machine Learning   Coursera [ <a href="#">LINK</a> ]              | • Python Data Structures   Coursera [ <a href="#">LINK</a> ] |

### VOLUNTEER EXPERIENCE

---

- Assisted in managing the registration desk at the *Digital Offshore* event organized by TechNL, a not-for-profit organization focused on fostering innovation and growth in the technology sector.
- Supported event operations by managing the registration desk during the *Holiday Event* organized by Genesis, an organization dedicated to startup incubation and entrepreneurship.

### EXTRA CURRICULAR ACTIVITIES

---

- Participated in *Hackathon Hack Frost NL 2.0* to enhance collaborative development skills.