Ajit Shukla

Carbondale, IL 62901

(618) 434-7908 | ajitkshukla30@gmail.com | linkedin.com/in/ajitkshukla/ | github.com/ajitkshukla

EDUCATION

Master of Science in Computer Science (GPA 4.0)   **Jan 2022 – Dec 2023**

Southern Illinois University, Carbondale, IL, USA

Relevant courses: Software Engineering, Web Applications Development, Database Systems, Programming Dist. Applications, Adv. Python, Data Structures and Algorithms, Deep Learning

Bachelor's Degree in Electronics and Communication Engineering (GPA 3.7)   **Oct 2013 – Oct 2017**

Tribhuvan University, Kathmandu, Nepal

Relevant courses: C programming, Object Oriented Programming, Information Systems, Microprocessor

SKILLS

Languages: C#, Java, Python, JavaScript

Web & Frameworks: React, Angular, Bootstrap, Blazor, HTML, CSS, jQuery, REST, ASP .NET Core, Spring Boot, MVC

Tools & Technologies: SQL Server, MongoDB, Entity Framework, Visual Studio, Git, GitHub, VS Code, Agile Methodologies, DevOps

WORK EXPERIENCES

Graduate Assistant, SIU Carbondale   **Carbondale, IL USA | Jan 2022 – Present**

- Created a web-based auto grading system, reducing grading time by 70% using Bootstrap, jQuery, and Razor.
- Integrated Python ML into ASP.NET MVC, boosting accuracy by 15% and reducing errors by 20% with Entity Framework and MS SQL Server.
- Implemented Agile, resulting in a 20% efficiency increase, while leveraging Bootstrap, jQuery, and Razor for rapid development.
- Collaborated on research, improving model accuracy by 5%.
- Led unmanaged switch replacement, increasing stability by 15%, and reducing network issues by 10%, involving switch configuration, IP assignment, DHCP setup, Nagios management, and AP channel planning.

Software Engineer, JnT Associates   **Kathmandu, Nepal | Dec 2020 – Dec 2021**

- **Collaborated with cross-functional teams** to translate requirements into technical solutions, actively participating in **over 20 code reviews** to ensure **exceptional quality**, **enhanced security**, and **optimal performance.**
- Designed, developed, and maintained scalable web applications in .NET Core and C#, optimizing SQL Server integrations with LINQ for a 20% **boost in data access times**.
- Contributed to the entire **software development lifecycle**, including **requirements analysis**, design, coding, testing, debugging, deployment, and support, troubleshooting, and **resolving** over 100 system bugs.
- Built and maintained efficient, **reusable, and reliable** .NET code for 3 web-based applications, ensuring consistent **code quality.**
- Upgraded 2 primary projects for **responsiveness**, created 5+ RESTful APIs for interactivity, and **collaborated** with DevOps for efficient deployment and monitoring ensuring 99.9% **application uptime**.
- Participated in peer reviews and **offered guidance** to peers on coding standards and efficient troubleshooting approaches.

Software Engineer and Assistant Lecturer, Hillside College of Engineering   **Kathmandu, Nepal | Oct 2018 – Dec 2020**

- Led the **development and optimization** of the Student Record Management System in C# and .NET, benefiting 5,000+ users, with collaboration from 20+ faculty leading to a **95% satisfaction rate.**
- Ensured the best performance, **100% quality**, and **responsiveness of applications.**
- **Guided** 150+ students in Object-Oriented Programming and C, while also **mentoring** 30+ junior developers resulting in a 20% project efficiency boost.
- Enhanced website performance by 40%, and introduced Git, **improving project timelines** by 15% and ensuring 99.9% site uptime.
- Devised automation tools and cloud solutions, **saving 500+** annual hours and reducing **data loss** by 90%.

RELEVANT PROJECTS

Expense Tracker (*C#, .NET MVC, SQL Server, Entity Framework, HTML/CSS/JavaScript, Sync Fusion Component, xUnit, Git*)

- **Designed and developed** a .NET Core expense tracking app with SyncFusion visuals, resulting in a **20% reduction in expense tracking time**, while ensuring **secure authentication** and conducting **rigorous xUnit testing** throughout its lifecycle.

Job Application Tracker (*C#, .NET Core, React, MongoDB*)

- Built a Job Application Tracker web app using React, C# .NET, and MongoDB, resulting in a **30% reduction in application management time**, improved adherence to deadlines, and streamlined interview scheduling.

Automatic Answer Grading System (*C#, .NET Core, Entity Framework, SQL Server, Python, Onion Architecture, Repository Pattern*)

- **Automated answer grading** in the .NET framework using a machine learning model. Integrated Python with C# and employed Entity Framework with Onion Architecture for **maintainability, reducing manual grading time by 70%**.

PERSONAL ACHIEVEMENTS

- Attained 1st Runner up position in a nationwide robotics competition organized by Robotics Association of Nepal
- Served as the **President** of Electronics and Robotics Society of Sagarmatha Engineering College (2016-2017), and **organized intercollege project exhibition**, robot sumo contest, and **coding competition** with 500+ participants.
- Received **full scholarship** from Southern Illinois University for Master's program.