

# Syed Mohsin Bukhari

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## Professional Summary

Backend-focused Software Engineer with hands-on experience in building scalable RESTful APIs, secure authentication systems, and real-time data pipelines. Proficient in Python, C#, Node.js, and SQL. Passionate about clean code, system design, and solving real-world problems using AI and backend technologies. Published researcher in AI-driven surgical assistance systems, with a focus on precision and innovation.

## Technical Skills

- **Languages:** Python, C++, JavaScript, C
- **Backend & Frameworks:** Node.js, Express, Flask, Web API, JWT, REST, MVC
- **Frontend:** HTML, CSS, React
- **Databases:** MySQL, SQL Server, MongoDB
- **Tools & Platforms:** Git, Postman, Docker (basic), Entity Framework, Dapper
- **AI/ML:** TensorFlow, PyTorch, scikit-learn, Keras, NumPy, Pandas
- **Other:** JWT Authentication, Middleware, SQL Optimization, Problem Solving, Team Collaboration

## Internship Experience

**EnableNow Technology Solutions**  
*Web Development Intern*

Nov 2023 – Apr 2024  
*Srinagar, Jammu and Kashmir*

- Contributed to the design, development, and maintenance of websites, ensuring functional and aesthetic requirements
- Developed dynamic and responsive web applications using HTML, CSS, JavaScript, React.js, and Node.js
- Collaborated with development teams to align web development with company goals and ensure smooth project completion
- Identified and resolved bugs, optimized website performance, and ensured a seamless user experience

## Projects

**House Price Prediction Web App**  
*Real-Time Data*

Nov 2024 – Dec 2024

- Built and deployed Flask-based ML backend to predict house prices in Bangalore
- Designed REST APIs to process input features and return predictions
- Tools: Python, Flask, scikit-learn, HTML, JavaScript, CSS

**Jarvis AI Virtual Assistant**  
*AI-Powered Task Automation*

Sep 2024 – Oct 2024

- Developed AI-powered assistant for voice/text-based task automation and device control
- Used NLP and speech processing for command parsing and task execution
- Tools: Python, NLP, PyTorch, scikit-learn, PyAudio

**Ecommerce Shopping App**  
*Full-Stack Platform*

Aug 2023 – Oct 2023

- Developed full-stack eCommerce platform with secure seller/consumer interfaces
- Implemented JWT-based authentication, RESTful APIs, and payment gateway integration
- Tech: ASP.NET Core, Web API, Angular 13, SQL Server

**Library Management System**  
*Inventory and Transaction Tracking*

Jan 2023 – Apr 2023

- Designed system for book inventory and transaction tracking with user registration
- Tools: .NET Core, Angular 14, SQL Server, Dapper

**Publications**

- **Real-Time AI in Surgery: A Review of Precision, Innovation, and Future Directions in Surgical Assistance**, International Journal of Performability Engineering (IJPE), May 2025, DOI: [10.23940/ijpe.25.05.p2.249258](https://doi.org/10.23940/ijpe.25.05.p2.249258)

**Education**

<b>Lovely Professional University, Punjab</b>	2024 – 2026
<i>M.Tech – Artificial Intelligence &amp; Machine Learning</i>	<i>CGPA: 6.92</i>
<b>Islamic University of Science and Technology, Awantipora</b>	2019 – 2023
<i>B.Tech – Electronics Engineering</i>	<i>CGPA: 7.14</i>
<b>SRM Welkin, Sopore</b>	2018
<i>Intermediate</i>	<i>CGPA: 6.1</i>
<b>SRM Welkin, Sopore</b>	2016
<i>High School</i>	<i>CGPA: 8.31</i>

**Achievements & Highlights**

- Published researcher in AI and Surgery
- Built multiple production-ready backend APIs
- Delivered scalable systems in EdTech and eCommerce domains
- Strong grasp of backend security, system design, and performance optimization