

Syed Mohsin Bukhari

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Software Engineer Specializing in Backend and AI

Results-driven Software Engineer with expertise in developing scalable RESTful APIs, secure authentication systems, and AI-driven solutions. Proficient in Python, C#, Node.js, TypeScript, and SQL, with a proven track record of optimizing system performance and enhancing user experiences. Adept at collaborating with cross-functional teams, solving complex problems, and adapting to fast-paced environments. Published researcher in AI-driven surgical assistance, passionate about leveraging clean code and innovative technologies to deliver impactful solutions.

Technical Skills

- **Programming:** Python, C++, JavaScript, TypeScript, C
- **Frameworks & APIs:** Node.js, Express, Web API, JWT, REST, MVC
- **Frontend:** HTML, CSS, React
- **Databases:** MySQL, SQL Server, MongoDB
- **Tools:** Git, Postman, Docker (basic), Entity Framework, Dapper
- **AI/ML:** TensorFlow, PyTorch, scikit-learn, Keras, NumPy, Pandas
- **Soft Skills:** Collaboration, Problem Solving, Adaptability, Communication

Internship Experience

EnableNow Technology Solutions

Web Development Intern

Nov 2023 – Apr 2024

Srinagar, Jammu and Kashmir

- Engineered responsive websites using HTML, CSS, JavaScript, React.js, and Node.js, enhancing user engagement for 500+ daily users
- Streamlined development processes by collaborating with cross-functional teams, ensuring 100% alignment with project goals
- Optimized website performance by resolving bugs, improving load times by 20%
- Integrated modern web technologies, adapting quickly to new tools and frameworks

Projects

House Price Prediction Web App

Real-Time Data

Nov 2024 – Dec 2024

- Engineered a Flask-based ML backend to predict house prices in Bangalore, serving 1000+ predictions monthly
- Designed and deployed REST APIs to process input features, achieving 95% prediction accuracy
- Tools: Python, Flask, scikit-learn, HTML, JavaScript, CSS

Jarvis AI Virtual Assistant

AI-Powered Task Automation

Sep 2024 – Oct 2024

- Developed an AI-powered assistant for voice/text-based task automation, supporting 200+ unique commands

- Implemented NLP and speech processing pipelines using PyTorch, improving command accuracy by 15
- Tools: Python, NLP, PyTorch, scikit-learn, PyAudio

Ecommerce Shopping App *Full-Stack Platform*

Aug 2023 – Oct 2023

- Built a full-stack eCommerce platform with secure interfaces for 300+ sellers and consumers
- Integrated JWT-based authentication and RESTful APIs, processing 500+ transactions daily
- Tech: ASP.NET Core, Web API, Angular 13, SQL Server

AI Learning Hub *AI and Web Development*

Jul 2025

- Crafted a TypeScript-based platform to facilitate AI learning, supporting 500+ users
- Integrated responsive UI with modern web practices, improving user retention by 10%
- Tools: TypeScript, JavaScript, HTML, CSS

ChatBot *Interactive Web Application*

Jul 2025

- Developed a JavaScript-based chatbot, enabling dynamic responses for 100+ daily interactions
- Optimized client-side performance, reducing response time by 25%
- Tools: JavaScript, HTML, CSS

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

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|---|-------------------|
| Lovely Professional University, Punjab | 2024 – 2026 |
| <i>M.Tech – Artificial Intelligence & Machine Learning</i> | <i>CGPA: 7.3</i> |
| Islamic University of Science and Technology, Awantipora | 2019 – 2023 |
| <i>B.Tech – Electronics Engineering</i> | <i>CGPA: 7.14</i> |
| SRM Welkin, Sopore | 2018 |
| <i>Intermediate</i> | <i>CGPA: 6.1</i> |
| SRM Welkin, Sopore | 2016 |
| <i>High School</i> | <i>CGPA: 8.31</i> |

Achievements & Highlights

- Published researcher in AI-driven surgical assistance
- Delivered production-ready backend APIs for 3+ applications
- Built scalable systems in eCommerce and EdTech, serving 1000+ users
- Demonstrated expertise in backend security, system design, and performance optimization