JEEVAN SHRESTHA

📞 (206) 291-0589 ✉ shresthajeevan880@gmail.com 💼 shrestha-jeevan

EDUCATION

Southeast Missouri State University — **May 2025**
Master of Science in Applied Computer Science — ***GPA: 3.9/4.0**, Cape Girardeau, MO*

- **Relevant Coursework:** Data Structures and Algorithms, Advanced AI, Object-Oriented Design, Distributed Cloud Computing, Machine Learning, Advanced Programming Languages

Islington College — **May 2022**
Bachelor of Science in Computer Science — *Kathmandu, Nepal*

TECHNICAL SKILLS

- **Languages:** Python, Java, TypeScript, JavaScript/HTML5/CSS3, SQL
- **Libraries/Frameworks/Database:** React.js, Django, Next.js, Pandas, Node.js, TailwindCSS, PostgreSQL, MongoDB
- **Tools/Technologies:** AWS (EC2, S3, RDS), Docker, Kubernetes, CI/CD, GitHub, Azure, Postman, IntelliJ, Linux

EXPERIENCE

Software Engineer(Volunteer) — **Sep 2025 – Present**
MitraIT Inc.

- Developed and enhanced scalable web applications (React/Node.js), improving **performance and code efficiency by 30%** and executed **RESTful APIs** and unit testing to reduce **post-release bugs by 25%**.
- **Collaborated in Agile sprints** with cross-functional teams, delivering features on time with a **95% sprint completion rate**.
- Refined database queries and backend processes, significantly improving overall **data retrieval speed by 25%**.

Graduate Research Assistant — **Aug 2024 – May 2025**
Southeast Missouri State University

- Enhanced software supply chain security education for **500+ students** by creating threat modeling exercises, vulnerability labs, and integrating OWASP Dependency-Check, Threat Dragon, and SIEM systems, receiving excellent feedback from the professor.
- Developed research-backed quizzes and labs that strengthened students' skills in software risk assessment, vulnerability analysis, and secure design practices.

Software Engineer — **June 2022 – July 2023**
Docsumo

- Engineered and maintained **scalable web and backend solutions** with **Java, React, and Node.js**, boosting performance and reliability of document management workflows.
- Implemented **automated testing pipelines and CI/CD workflows**, reducing integration issues by **35%** and accelerating deployment cycles.
- Improved user satisfaction by 25% through enhancements to checkout and user management modules in collaboration with cross-functional teams.
- Resolved production issues through effective debugging, monitoring, and optimization, maintaining **99.9% uptime**.

Software Engineer Intern — **Nov 2021 – May 2022**
Code Asterisk

- Built a **React storefront** with responsive design, boosting **user engagement by 20%** and reducing frontend errors by **30%** in an Agile environment.
- Created frontend components with **CI/CD integration** and automated regression tests, enhancing development efficiency.
- Collaborated with **backend engineers** on SQL/Oracle database structures, improving **query performance by 25%**.

PROJECTS

AI-Study Tracker | React, TailwindCSS, Node.js, Gemini API, MongoDB – GitHub

- Created a React.js and Tailwind CSS study tracker with session logging and analytics, **enabling tracking of 50+** weekly sessions **across 5+ subjects.**
- Built AI-ready recommendation and quiz modules with **20+ automated questions** per subject for balanced study habits.
- Engineered scalable AI features for topic tracking and analytics, producing **100+ personalized** learning insights across subjects.