# Shashank Joshi

Boston, MA | (857) 334-2662 | joshi.shash@northeastern.edu | LinkedIn | Blogs | GitHub

## EDUCATION

**Khoury College of Computer Sciences, Northeastern University,** *Boston, MA*  Sept 2023 – Present
Master of Science in Computer Science, **GPA: 4.0/4.0**  Expected graduation: May 2025
- Related courses: Web Development, Object Oriented Programming, Algorithms, Databases

**Vellore Institute of Technology**, Chennai, Tamil Nadu*, India*  July 2017 – June 2021
Bachelor of Technology in Computer Science and Engineering, **GPA: 9.39/10.0**
- Related courses: Networking, Large scale systems, Operating Systems, Distributed system, Data Structures

## TECHNICAL SKILLS

**Technologies**: Java, C#, Python, C, C++, JavaScript/Typescript, HTML, CSS, NoSQL, MySQL, SQL, MongoDB, .Net, react.js, node
**Design**: Backend (MVC) | Front-end | SaaS | RESTAPI | SOLID Principles | Software Design Patterns | Object-Oriented
**DevOps**: Jenkins, Kubernetes, Docker, CI/CD, Azure, (Amazon web services) AWS, UCD, PCF
**Certifications**: Microsoft Azure AZ-900, Microsoft Azure AI-900

## WORK EXPERIENCE

**Northeastern University,** *Boston, US*  January 2024 – Present
Khoury Teaching Assistant – Foundations of Software Engineering (Typescript, Mocha, Jest)
- Collaborated closely with students, providing individual guidance on projects, assignments, and addressing queries to enhance their hands-on experience with software development tools and best practices.

**Wells Fargo,** *Hyderabad, India*  July 2021 – July 2023
Software Engineer
- Spearheaded E2E scalable, distributed, low latency and high throughput a cutting-edge loan underwriting app using .NET 6 and React.js, enhancing business efficiency by 40% in handling 30,000+ daily deals.
- Developed robust test automation to ensure a minimum 90% Sonar test coverage for both back-end and front-end code using XUnit, Jest, and React Testing Library (RTL).
- Engineered custom Splunk dashboards with AppDynamics integration indicating KPIs for ticket resolution, thus increasing team efficiency by 20%
- Deployed and integrated a multi staged CI/CD pipeline with version locking and roll-back capabilities, performed code review, curated documentation, implemented load/stress testing, and unit/integration/e2e testing.
- Contributed to the development of end-to-end UI screens within two-week sprints through collaborative teamwork. Engaged in daily scrum calls and Sprint Planning/Retro meetings in an Agile setting, utilizing JIRA and Confluence

**Linux World Pvt Ltd,** *Jaipur, India*  May 2020 – July 2020
DevOps Intern
- Streamlined DevOps pipeline with GitHub, Jenkins, K8s, and Containers, reducing infrastructure deployment time by 50%.
- Created serverless applications using Azure Functions by leveraging an event-driven and microservices architecture, leading to reduced Azure billing cost. (up to $11,000, per month).
- Integrated Prometheus and Grafana for log monitoring in Kubernetes, improving visibility and reducing downtime by 50%.
- Automated cloud deployments with Terraform scripts for efficient IaaS across AWS, Azure, and other platforms. Slashed deployment time by 50%, eliminating manual errors for seamless integration.

## ACADEMIC PROJECTS

**Pixel Manipulator**  Sept 2023 – Dec 2023
- Implemented a GUI based Image processing app leveraging MVC architecture and other design patterns. It enables the users to perform operations like Split Preview, Grayscale, Sepia, luma, Dither etc. on the currently selected image.
- Led software implementation and design of the backend modules incorporating code efficiency and readability.
- Tested the system extensively using Test Driven Development (TDD) methodology to ensure intended behavior.
- Tools: Java 8, Junit 4, Object Oriented Programming OOP, SOLID

**Portfolio Builder**  Sept 2023 – Dec 2023
- Designed Web Application empowering users by reducing portfolio creation time by 40%.
- Orchestrated the seamless integration of the Stripe API, empowering the application with robust payment subscription capabilities, resulting in a 25% increase in premium subscriptions.
- Tools: Express, React, Redux, Material UI, Tailwind CSS, Node, Mongo DB, Restful APIs