

Harshil Sharma

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SUMMARY

Junior Developer with a strong foundation in full-stack development, python programming, and modern front-end frameworks. Experienced in building web applications, integrating APIs, and collaborating in agile teams. Passionate about clean, maintainable code and eager to contribute to real-world development environments while learning from senior engineers.

SKILLS

Languages & Frameworks: Java, JavaScript, HTML, CSS, React, Node.js, Express

Backend & APIs: RESTful APIs, Spring Boot (familiar), JSON, Authentication

Databases: PostgreSQL, MongoDB, MySQL, SQL

Cloud & DevOps: Azure, AWS (basic), Git, GitHub, CI/CD (GitHub Actions)

Development Tools: VS Code, IntelliJ, Postman, Figma, Jira

Soft Skills: Agile Development, Team Collaboration, Code Review Participation, Debugging

EXPERIENCE

PRiME Center, SLU

Oct 2024 – Present

Tech and Research Assistant

- Built backend scripts and front-end integrations for research data workflows using Python and JavaScript.
- Collaborated with IT and research teams to deploy automated features and visualize data on dynamic dashboards.

Taylor Geospatial Institute, SLU

Feb 2024 – Aug 2024

Software Developer Student Worker

- Assisted in building full-stack components for web apps using JavaScript, React, and REST APIs.
- Contributed to cloud deployment processes and worked in an agile development team.

Neem Consulting Ltd, India

Dec 2022 – Jun 2023

Technical Intern

- Designed web interfaces and backend connections using HTML, JavaScript, and SQL.
- Tested application components and created user-facing features with modern UI principles.

PROJECTS

Efficient Deployment of Deep Learning Models on Edge Devices

Oct 2024 – Nov 2024

- Reduced memory usage and inference latency by optimizing DL models in TensorFlow and PyTorch.
- Automated deployment with AWS Lambda and integrated monitoring tools for live edge inference.

Accessibility Contrast Calculator

May 2024 – Jul 2024

- Engineered a computer vision-based tool in Python to evaluate digital contrast standards (WCAG).
- Generated compliance dashboards and integrated automated SQL reporting.

Scalable ML Microservices Framework

Aug 2023 – Dec 2023

- Engineered modular AI inference system using Docker and Python microservices for high-volume batch processing.
- Enabled seamless cloud deployment on Azure with full CI/CD support and real-time monitoring.

Facial Recognition Attendance System

Jan 2023 – Mar 2023

- Created a front-end interface and connected it to a JavaScript backend for real-time attendance tracking.
- Built REST APIs to store logs and user data using SQL.

EDUCATION

Saint Louis University, St. Louis, MO

Aug 2023 – May 2025

Master of Science in Computer Science – GPA: 3.71/4.00

- Relevant Coursework: Deep Learning, Edge Computing, Distributed Systems, Software Engineering.

SRM Institute of Science and Technology, Chennai, India

Aug 2019 – Jun 2023

Bachelor of Technology in Computer Science Engineering

- Relevant Coursework: Data Structures, Deep Learning, Object-Oriented Programming.

ACHIEVEMENTS

Research Publication: Automated Attendance System using Adaboost Algorithm (IEEE)

Organized SRM Hackathon (2021-2022)

CERTIFICATIONS

Certified TensorFlow Developer

Advanced Python for Data Science Certification

Microsoft Azure Fundamentals Certified