

MISHA KUMARI

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PROFESSIONAL SUMMARY

Software Engineering Master's student with 3+ years of experience in backend development, Java-based systems, and scalable APIs, seeking full-time Software Engineering opportunities.

EDUCATION

Master of Science in Software Engineering

Arizona State University, Tempe, AZ

May 2026

3.78/4

Relevant coursework : Advance Data Structures and Algorithms, Game Programming and Design, Info Assurance & Security

Bachelor of Technology in Computer Science and Engineering

Dehradun Institute of Technology, Dehradun, India

May 2021

7.41/10

PROFESSIONAL EXPERIENCE

Software Engineer II, Dell Technologies, Bengaluru, India

March 2023 – July 2024

- Built backend systems with **Spring Integration**, **RabbitMQ**, and **IBM MQ** to reliably process 1000+ transactions per minute.
- Deployed **Spring Boot** applications on **Pivotal Cloud Foundry**, improving scalability by 50% and simplifying maintenance.
- Developed customer-focused alerting and monitoring solutions that reduced system downtime by 40%.
- Implemented **OAuth 2.0** for secure authentication and authorization, strengthening enterprise security compliance.
- Increased unit test coverage of a legacy application from 15% to 70% by writing comprehensive test cases using **JUnit**, improving code quality metrics on SonarQube.

Software Engineer I, Dell Technologies, Bengaluru, India

September 2021 – March 2023

- Migrated legacy **ASP.NET** web application from SOAP to **RESTful APIs**, modernizing integration processes and resulting in a 30% reduction in API response time and improved application scalability.
- Automated password reset process in Vault using **CI/CD** pipelines, reducing manual intervention, the scope of errors and increasing password update frequency to 4 times in a single year.
- Created a Data Export System that fetched, filtered and formatted data from databases to generate CSV files and securely uploaded them to clients' NAS paths periodically, ensuring reliable and latest data delivery.

Software Engineering Intern, Cognizant, Chennai, India

March 2021 – August 2021

- Developed a responsive **Angular** front-end for a banking application, implementing robust form validations and error handling to reduce user input errors.
- Built scalable backend services in Spring Boot to generate account statements (PDF/CSV), improving customer accessibility and reporting efficiency.

OTHER EXPERIENCE

Management Intern, Arizona State University, Tempe, Arizona, USA

June 2025– Present

- Collaborated with 10+ cross-functional campus partners to align initiatives with institutional goals, contributing to increase in international student participation.
- Consolidated stakeholder feedback from sources into actionable tasks within project management tools, ensuring alignment on project goals and improved team accountability across 3 departments.
- Managed project timelines, stakeholder updates, and deliverables using tools such as Trello, Google Workspace, and shared drives to ensure goal alignment and team accountability.

PROJECTS

GraceLang.

Spring 2025

Built an educational programming language, leveraging skills in language design, syntax/semantics implementation, structured programming, and **Prolog** and **Java** integration.

SyncBoard

Summer 2025

Built a full-stack task management platform, leveraging React (frontend), Spring Boot (backend), **MongoDB** integration, **JWT** - based authentication, and **GitHub** webhook automation for real-time task tracking.

TECHNICAL SKILLS

- Programming Languages:** Java, Python, C++, JavaScript
- Backend & Cloud:** Spring, Spring Boot, REST APIs, Docker, Maven, Pivotal Cloud Foundry
- Frontend:** React, TypeScript, HTML, CSS
- Databases and Tools :** MySQL, MongoDB, Git, CI/CD pipelines