FNU AISHWARYA

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PROFESSIONAL SUMMARY

Computer Science graduate with experience building scalable full-stack applications using cloud and AI technologies. Focused on delivering user-centric, high-performance solutions.

PROFESSIONAL EXPERIENCE

Associate Engineer   *09/2022 - 06/2023*
TEKsystems Global Services Pvt. Ltd. | Bangalore, India
- Built scalable backend and responsive frontend using Spring Boot, React, and MongoDB, handling 1M+ monthly requests and improving load time by 30%.
- Achieved 95% test coverage and cut deployment time by 40% using Docker, Jenkins, AWS, JUnit, and Mockito.

Technical Trainee Intern   *02/2022 - 06/2022*
TEKsystems Global Services Pvt. Ltd. | Bangalore, India
- Developed full-stack web applications using React, Node.js, and Express and automated Jenkins job creation, reducing manual setup time by 40%.
- Implemented Docker-based containerization and CI/CD pipelines with GitLab, improving deployment speed by 30% and supporting Agile sprints using JIRA and Git.

Machine Learning Intern   *06/2020 - 07/2020*
Dlithe Consultancy Services Pvt. Ltd. | Bangalore, India
- Built Python-based BOT apps, integrated social media APIs, and applied ML models for data analysis.

ADDITIONAL WORK EXPERIENCE

Student Assistant   *08/2024 - 05/2025*
Diversion and Inclusion Student Success Center (DISC) | Hayward, CA
- Planned events, supported programming and student engagement, and provided administrative assistance.
- Assist with planning program logistics, creating content, email correspondence, workshops, and meetings.

EDUCATION

Master of Science Degree in Computer Science   *08/2023 - 05/2025*
California State University East Bay | CGPA: 3.972

Bachelor of Engineering Degree in Computer Science   *08/2018 - 06/2022*
NMAM Institute of Technology | CGPA: 8.95

PROJECTS

AI Career Guru
- Built a **scalable, full-stack AI career platform** using **Next.js**, **Tailwind CSS**, **Prisma**, and **Gemini LLM**, achieving a **95% Lighthouse performance score** and delivering a **responsive, cross-platform user experience.**
- Developed **12+ RESTful APIs** to support **real-time resume generation** and **mock interviews**, and automated **weekly content delivery** using **event-driven serverless workflows** with **Inngest.**

Sign Language Recognition
- A real-time system that can convert our own set of signs into text with a classification accuracy of **97%**.
- Implemented **Tensor Flow**, **Transfer Learning**, **OpenCV**, and **CNN** using **Python** to classify based on signed hand gestures from any person at a frequency of less than **2 seconds per frame**.

PROFESSIONAL DEVELOPMENT

- Published research titled "*Identification and Classification of Paddy Crop Diseases using Big Data Machine Learning Techniques*" in Taylor & Francis, Data Science and Data Analytics.
- Developed a live demo for real-time *Sign Language Recognition* and presented the work at the IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER).

KEY SKILLS

- **Programming Languages:** Java, Python, C, C++
- **Web Technologies:** React, Spring Boot, JavaScript, NodeJS, HTML, CSS, Bootstrap, Redux
- **Tools:** JUnit, AWS, Docker, Git, JIRA, Jenkins
- **Database:** MongoDB, SQL, Firebase
- **Languages:** English, Hindi, Tulu, Kannada