

# Amisha Sherekar

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## SUMMARY

Full-stack developer with hands-on experience in cloud technologies, backend and frontend development, and research in AI/ML. Skilled in building scalable applications, integrating cloud services, and optimizing system performance. Strong academic foundation with a Master's in Advanced Computer Science and publications in IEEE and Springer.

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## PROFESSIONAL EXPERIENCE

**Full Stack Developer Intern**  
**SLB, Abingdon**

**JUL 2024 - AUG 2025**

- Worked on a methane emissions detection platform.
  - Resolved software bugs and implemented fixes
  - Developed and delivered user stories, collaborating with the team to meet sprint goals.
  - Built and maintained backend services in Go (Golang)
  - Developed frontend features with Angular, TypeScript, HTML, and Less.js,
  - Performed API testing and developed a proof of concept to automate the addition of Point Instrument details into the database, thereby strengthening product robustness and integration.
  - Handled SRE tasks including secret rotation, Trivy and Mend scan
  - Collaborated in Agile sprints, participating in daily stand-ups, sprint planning, and retrospectives to deliver features on schedule.
  - Wrote technical documentation for new features and workflows, improving team knowledge sharing.
  - Participated in recruitment interviews for interns, contributing to team growth and candidate evaluation.
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## EDUCATION & CERTIFICATIONS

**Master's in Advance Computer Science with a year in Industry, (2023 - 2025)**

**University of Liverpool, Liverpool,UK**

Key Modules - Efficient algorithm, Research Methods in Computer Science, Privacy and Security, Knowledge Representation, Data

Mining and Visualisation, BioInspired Learning, Computational Intelligence, Cloud Computing

**Bachelor of Engineering Computer Science with Honors in AI-ML , (2019 - 2023)**

**University of Pune, India,**

**Result - First class with distinct**

Key Modules - Data Science, SQL, OOP, Artificial Intelligence, Machine Learning, NLP, Deep Learning,C++

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## PROJECTS

**Finger Gesture Recognition using Recurrent Neural Network and Convolution Neural Network**

**Published In IEEE, Jan 22, 2024**

Designed and implemented deep learning models (RNN and CNN) for real-time American Sign Language (ASL) translation. Published paper presents comparative analysis based on accuracy, training time, and computational efficiency. Highlights the potential of deep learning to improve gesture recognition and support communication for the deaf and hard-of-hearing community.

DOI - 10.1109/ICCUBE58933.2023.10392021

## **A Survey of Cryptographic Algorithms for Encryption and Key Transmission**

**Published in Springer, Singapore, Jul 11, 2023**

Wrote and published a research paper reviewing encryption, decryption, and key generation algorithms for secure data transmission. Analyzed the trade-offs between algorithmic efficiency, space optimization, and security. Provided recommendations for selecting reliable cryptographic methods suited for practical applications.

DOI - [https://doi.org/10.1007/978-981-99-2468-4\\_19](https://doi.org/10.1007/978-981-99-2468-4_19)

### **AWS Cloud Virtual Internship**

Completed a 10-week virtual internship in AWS Cloud Technologies sponsored by AWS Academy. Developed practical skills in Cloud architecture, deployment, and optimization through hands-on virtual labs. Gained hands-on experience in clustered data processing technologies such as Hadoop, Spark, Map-reduce, and Hive.

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### **SKILLS**

Programming: Go, Python, TypeScript,

Frameworks & Tools: Angular, Git, Postman, insomnia

Cloud & DevOps: AWS, Docker, Trivy, Mend

Other: Data Structures & Algorithms, Agile/Scrum, API Development & Testing

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### **CERTIFICATIONS**

Beginning SQL Server - Coursera

AWS Academy Cloud Foundations - AWS

AWS Academy Cloud Architecting - AWS

What Is Generative AI? - LinkedIn Learning

Google Foundations of Business Intelligence