Anilkumar Nayak

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CAREER SUMMARY

Computer Science graduate with hands-on experience in Java-based microservices and machine learning. Built 5+ end-to-end projects using Spring Boot and Python, achieving up to 92% ML model accuracy and supporting 10+ concurrent operations. Strong in REST APIs, backend development, and Agile practices.

EXPERIENCE

Cognizant Technology Solutions | *Microservices Intern*   *May 2025 – Sept 2025*

- Developed 5+ RESTful microservices using Spring Boot, Spring Data JPA, and MySQL, reducing service dependencies by ~30%.
- Implemented JWT authentication and integrated Eureka Service Discovery with API Gateway, reducing latency by 18%.
- Tested APIs using Postman and Swagger and collaborated in Agile sprints and code reviews.
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EDUCATION

Siksha 'O' Anusandhan University (ITER)   *Bhubaneswar, India*
Bachelor of Technology in Computer Science Engineering (CGPA 8.08)   *2025*

Global Indian International School   *Surat, India*
Central Board of Secondary Education(Secured 70.4%)   *2021*

Global Indian International School   *Surat, India*
Central Board of Secondary Education(Secured 72%)   *2019*

PROJECTS

Waiter VoiceAgent – AI Voice-Based Restaurant Assistant | *Python, Speech Recognition, NLP, Text-to-Speech, Flask*

- Engineered an AI-powered voice assistant for restaurant order automation using speech-to-text, NLP-based intent classification, and text-to-speech, achieving 92%+ intent recognition accuracy.
- Automated conversational order workflows including menu discovery, multi-item ordering, and confirmation handling, reducing manual order-taking effort by 60%.
- Designed and deployed a Flask-based REST API with modular architecture, enabling scalable backend integration and maintaining <1.5s average response latency.

Sign Language Detection System | *Python, OpenCV, MediaPipe*

- Built a real-time gesture recognition system achieving 92% accuracy using CNNs and MediaPipe.
- Reduced prediction latency to under 120 ms and enabled recognition of 25+ gestures.
- Created and labeled a dataset of 1,500+ images.

SpringBlog | *Java, Spring Boot, Spring MVC, MySQL*

- Developed a full-stack blog application with CRUD functionality using MVC architecture.
- Optimized database operations with Spring Data JPA, reducing query time by 20%.
- Implemented a responsive UI using HTML, CSS, and Bootstrap.
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CERTIFICATIONS

Cybersecurity | *EY*
AWS Cloud Foundations | *AWS Academy*
AI ML | *Mahindra Comviva*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML, CSS
Frameworks/Libraries: Spring Boot, JQuery, Bootstrap, NumPy, Pandas, Matplotlib, MediaPipe,OpenCV
Databases: MySQL
Tools: Git, GitHub, GitLab, Eclipse, VS Code, Linux, UNIX Shell, Postman, Swagger
Cloud: AWS (EC2, S3, IAM – foundational)