YALAMATI NIKHIL SOURI

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✉ mymedia.yns@gmail.com   🔗 nikhil-souri   � NIKHILSOURI   🌐 Portfolio

PROFESSIONAL SUMMARY

CS student with hands-on experience in scalable backend development, distributed systems, REST APIs, and AWS, backed by strong CS fundamentals.

EDUCATION

Bachelor of Science in Computer Science   2025 – 2026
Blekinge Institute of Technology (BTH), Karlskrona, Sweden   *Currently Pursuing*

Bachelor of Technology in Computer Science and Engineering   2022 – 2026
Jawaharlal Nehru Technological University College of Engineering, Anantapur   *Currently Pursuing*

TECHNICAL SKILLS

Languages	Python, Java, C++, JavaScript (Node.js), SQL, Perl
Cloud & DevOps	AWS (EC2, S3, Lambda), Docker, Jenkins, Git, Linux, CI/CD
Backend & APIs	REST APIs, Microservices, JSON, Express.js, Webhooks
AI/ML & Tools	TensorFlow, OpenCV, MediaPipe, Data Processing Pipelines
Databases	MySQL, MongoDB
Core CS	Algorithms, Data Structures, OOP, Operating Systems, Distributed Systems, Networking

EXPERIENCE / INTERNSHIPS

Accenture India — Associate Software Engineer Intern (Click here)   May–Jul 2025 — *On-site*

- Executed SAP data migration using Rapid Data Loader (RDL), ensuring consistency and integrity across large datasets.
- Assisted in ERP testing with cross-functional teams, documenting test scenarios, edge cases, and defects.

Bluestock — Software Development Intern (Click here)   Apr–May 2025 — *Remote*

- Developed and secured backend APIs using Node.js, integrating with frontend IPO web modules.
- Wrote basic technical documentation for API usage and integration steps.

PROJECTS

Blink-Based Cognitive Load Detection under Noisy Visual Conditions (Click here)
Developed a blink–EAR based AI pipeline using MediaPipe and OpenCV, conducting robustness testing across noisy visual environments as part of research at BTH Sweden.

AI-Powered Queue Management & Crowd Flow System (Click here)
Designed a real-time computer-vision queue monitoring system using YOLO/TensorFlow, Flask/FastAPI microservices, Docker, and AWS EC2 to enable scalable, low-latency crowd analytics.

DevOps Mini Project – ML Inference CI/CD Pipeline (Click here)
Built an ML inference deployment pipeline using Docker and Jenkins, automating build–test–deploy stages on AWS EC2 and reducing deployment time through fully containerized workflows.

Selected Web Development Projects
Created production-ready websites and portals using Node.js, Express.js, MongoDB, and modern frontend tools for academic and institutional use.

TICT Computers   Friends Page   College Fest   Technical Symposium   Faculty LMS

CERTIFICATIONS

- **Azure Administrator Associate** (Click here)   Microsoft
- **Learning Linux for LFCA Certification** (Click here)   Coursera
- **Python Basics for Data Science (PY0101EN)** (Click here)   IBM EdX
- **Databases: Relational Databases and SQL (SOE.YDB SQL0001)** (Click here)   EdX
- **HTML5 and CSS Fundamentals (HTML5.0x)** (Click here)   EdX

SEMINARS AND PUBLICATIONS

- **Text Classification Performance in Natural Language Processing — NCSRINIET 2024** (Click here)
- **Webinar on Cyber Security** (Click here)