

Akash Laxman

Software Engineer Intern



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🐙 github.com/AkashLaxman

🌐 LANGUAGES

Kannada ● ● ● ● ●

English ● ● ● ● ●

🎓 EDUCATION

Bachelor Of Engineering

East West Institute of Technology ,Bengaluru
2022 – 2026 | Karnataka-India

Pre-University Education

Padmavati PU College
2019 – 2021 | Karnataka,India

Secondary School

Shri Satya Sai Loka Seva Vidhya
Kendra,Alike-Mangaluru
2019 | Mangaluru,India

💼 PROFESSIONAL EXPERIENCE

Software Engineer Intern

LastNode,INC. co, email: contact@lastnode.co
website: inboxatscale.io address: 131 Continental Dr
Suite 305 Newark, DE 19713 US
03/2026 – 05/2026 | Remote

📁 PROJECTS

AI Based Smart Gym Assistant

Computer Vision Based Workout Monitoring System
08/2025 – 01/2026

- Developed an **AI-based Smart Gym Assistant** to track human body movements during workouts.
- Implemented **pose detection using OpenCV and MediaPipe** to identify body keypoints.
- Built a system to **count exercise repetitions automatically** and monitor workout activity.
- Added functionality to **detect incorrect posture during exercises**.
- Used **Python, NumPy, and computer vision techniques** for real-time analysis and feedback.

🧠 SKILLS

Technical Skills : Programming Languages Python, SQL, JS

Programming Languages:

- **Python:** Strong understanding of core concepts including data types, control structures, functions, object-oriented programming (OOP), exception handling, and file handling. Able to develop logical solutions and basic backend applications.
- **SQL:** Proficient in writing queries for data manipulation and retrieval including SELECT, INSERT, UPDATE, DELETE, joins, and basic database design concepts.

Web Technologies : HTML , CSS

- **HTML & CSS:** Knowledge of creating structured and responsive web pages using HTML and styling them using CSS, including layouts, forms, and responsive design

AI / NLP Concepts : Stemming, Lemmatization , TF-IDF (Term Frequency – Inverse Document Frequency)

- **Stemming:** Process of reducing words to their root form by removing suffixes (e.g., *playing* → *play*), used for text normalization in NLP tasks.
- **Lemmatization:** More advanced technique that converts words to their base or dictionary form (lemma) considering context (e.g., *better* → *good*), improving accuracy in text processing.

Tools : Git, VS Code , PyCharm , Jupyter Notebook , SQL*Plus

Soft Skills : Communication ,Teamwork, Self Motivation

📄 CERTIFICATES

NPTEL – Python for Data Science

Completed a course on **Python programming for data analysis and machine learning basics**.

NPTEL – Introduction to IoT

- Learned fundamentals of the **Internet of Things (IoT)**.
- Studied IoT architecture, sensors, and real-world applications.

IBM – Fundamentals of Artificial Intelligence

- Learned the basics of **Artificial Intelligence and machine learning concepts**.
- Explored AI applications and real-world use cases.

📖 COURSES

Python Fullstack with Data Analytics

Pyspiders

08/2026 – 05/2026 | Rajajinagar,Bengaluru

- In **Python**, we learn core programming concepts such as variables, data types, control statements, functions, object-oriented programming, exception handling, and file handling. This helps in developing strong problem-solving and backend logic skills.
- In **SQL**, we learn how to manage and manipulate data using queries like SELECT, INSERT, UPDATE, and DELETE. The course also includes concepts like joins, constraints, and database design, which are essential for handling application data.
- In **Web Technologies**, we learn HTML, CSS, and JavaScript to design and develop user interfaces. HTML is used for structuring web pages, CSS for styling, and JavaScript for adding interactivity.

Python Programming

Udemy

- I completed a Python course by Abdul Bari on Udemy where I learned core Python concepts, object-oriented programming, data structures, exception handling, and database programming. The course also included problem-solving exercises and projects, which helped me build strong programming logic and develop real-world applications.