Lokesh Sathish

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Hyderabad, India   GitHub: https://github.com/Git4Lokesh   LinkedIn: https://www.linkedin.com/in/lokesh-sathish/

Education

Birla Institute of Technology & Science, Pilani   *Expected 2026*
Minor in Computational Intelligence
Class XII: FIITJEE, Telangana Board – 98.4% (2022)

Relevant Coursework

Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Database Management Systems, Artificial Intelligence, Machine Learning, Deep Learning

Technical Skills

Languages: C++, Python, JavaScript, C, SQL, HTML, CSS
Frameworks & Tools: Node.js, Express, React, Bootstrap, Docker, Git, REST APIs, Generative AI, DevOps
Databases & Cloud: PostgreSQL, MySQL, AWS

Experience

Machine Learning Intern – Finlatics (Fincrux Technologies LLP)   Jun 2025 – Jul 2025
- Applied supervised and unsupervised ML techniques on real-world datasets.
- Clustered 7,050+ Facebook Marketplace posts with K-means (silhouette: 0.816), identifying 7–8pm as peak posting time ($2.7\times$ engagement).
- Built regression model (R^2=0.88) on 200+ ad campaigns, showing TV ads most predictive (corr: 0.78 vs 0.35 radio).

Product Strategy Intern – TLE Eliminators   May 2024 – Jul 2024
- Conducted competitor analysis (GeeksforGeeks, LeetCode, AtCoder) to identify gaps and user trends.
- Modeled financial scenarios and suggested monetization streams under ICPC World Finalist mentorship.
- Recommended feature roadmap balancing engagement and revenue growth.

Projects

AI-Powered Study Companion   May 2025 – Aug 2025
Demo: https://learn-ai-4wci.onrender.com
- Full-stack platform using Generative AI to create notes, flashcards, and quizzes from topics/PDFs.
- Containerized backend (Docker), deployed on Render; integrated LlamaIndex and Perplexity AI APIs using Axios middleware for an automated API workflow.
- Built with EJS, Node.js/Express, PostgreSQL; secure auth with bcrypt and REST APIs.

Enterprise Project Management Platform   Sep 2024 – Dec 2024
- Project/task manager with real-time tracking, assignments, and workflow automation.
- Deployed 19+ REST APIs with Node.js/Express, React, and Dockerized MySQL backend.
- Designed schema (8+ tables, triggers, procedures, FKs) ensuring secure, scalable operations.

Scalable Real-Time Chat Moderation System   Feb 2025 – Apr 2025
- Built distributed moderation system in C with POSIX message queues for 1,500+ users.
- Implemented violation tracking, filtering, and automated enforcement (Discord/Slack style).
- Optimized multi-process concurrency ensuring message order and low-latency throughput.

Checkers Game AI with Advanced Search   Aug 2024 – Oct 2024
- Implemented Minimax with Alpha-Beta pruning, transposition tables, and quiescence search.
- Designed heuristics for piece value, mobility, positioning, and king safety.
- Enhanced move ordering to significantly improve search efficiency.

Certifications

Full Stack Web Development (Udemy, 2025); AWS Cloud Practitioner (Coursera via AWS, 2025)

Extra-curricular Achievements

Leetcode: 1653 rating (top 16%, 300+ problems, top 3%) | Chess: 13th/1100+ (Washington State 2017), 20+ trophies