POTHA LOKESH

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Potha Lokesh | Potha Lokesh |

Nandyala, Andhra Pradesh - 518501, India

OBJECTIVE

Aspiring software engineer with a strong foundation in full-stack development, AI integration, and deep learning. Seeking a challenging role to apply my skills in building scalable web applications, intelligent systems, and data-driven solutions. Passionate about contributing to innovative projects at the intersection of artificial intelligence, cloud technologies, and user-centric design.

PROJECTS

- **AI-Powered Online Learning Platform [⊕]**   *May 2025*
  Tools: Next.js, React, Clerk, Neon DB, Drizzle ORM, Tailwind CSS
  - Developed a full-stack SaaS-based e-learning platform with secure authentication, dynamic course management, and AI-generated course layouts.
  - Integrated Clerk for user identity management and Neon PostgreSQL with Drizzle ORM for scalable backend operations.
  - Designed a responsive UI using Tailwind CSS and deployed the application with modern CI/CD practices.

- **Real-Time Chat Application [○]**   *September 2025*
  Tools: Node.js, Express.js, Socket.IO, MongoDB, React
  - Developed a full-stack chat application supporting real-time messaging using WebSockets (Socket.IO).
  - Implemented user authentication, message persistence, and scalable event-driven architecture.
  - Designed a clean and responsive front-end using React and managed data storage with MongoDB.

SKILLS

- **Programming Languages:** Java, Python, C Language
- **Web Technologies:** HTML5, CSS3, React.js, Next.js, Tailwind CSS
- **Database Systems:** MySQL, MongoDB, PostgreSQL
- **Data Science & Machine Learning:** NumPy, Pandas, scikit-learn, TensorFlow, Matplotlib, OpenCV
- **Specialized Area:** Data Structures & Algorithms, Time Complexity Analysis, Algorithm Optimization
- **Mathematical & Statistical:** Linear Algebra, Probability and Statistics, Calculus, Discrete Mathematics

EDUCATION

- **JNTUA College of Engineering, Anantapur**   *July 2023 – Present*
  Bachelor of Technology in Computer Science and Engineering   India
  - GPA: 7.37/10.00

- **IIT Madras Online Degree Program**   *September 2023 – September 2026*
  Foundational Level in Data Science   India
  - Coursework in Python, Statistics, and Computational Thinking

- **E.S.C Government Polytechnic College, Nandyal**   *July 2020 – July 2023*
  Diploma in Electronics Engineering   India
  - Grade: 90.0%

CERTIFICATIONS & ACHIEVEMENTS

- **IIT Madras Online Degree Foundational Level Certificate**   *December 2024*
- **Java Programming: A Hands-on Introduction (Object-Oriented Programming)**   *May 2024*
- **Solved 100+ problems on GeeksforGeeks**, demonstrating proficiency in Data Structures and Algorithms.
- **Completed 150+ problems on LeetCode**, showcasing problem-solving skills and algorithmic thinking.
- **Secured 42nd rank out of 7000+ students in APECET**, highlighting academic excellence and competitive aptitude.
- **Achieved 1137th rank out of 80000+ students in POLYCET**, underscoring strong foundational knowledge and dedication.