AKSHAT KUMAR SINHA

📍 Surampalem, East Godavari, Andhra Pradesh

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EDUCATION

Bachelor of Technology in Computer Science Engineering   Nov 2020 – May 2024
Aditya College of Engineering and Technology   Surampalem, Andhra Pradesh

- Relevant Coursework: *Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Database Management Systems.*

EXPERIENCE

Java Intern   May 2023 – July 2023
Technical Hub Private Limited   Surampalem, Andhra Pradesh

- Optimized **object-oriented programming** skills, resulting in a 20% reduction in runtime errors through effective **exception handling**.
- Implemented advanced **data structures**, decreasing memory usage by 30%.
- Achieved top 58% in competitive coding by applying strong mathematical and problem-solving skills.

PROJECTS

TicTacToe | **Github Link**

- ⋆ **Objective**: Created a classic TicTacToe game for mobile platforms, incorporating additional features to enhance the gameplay experience.
- ⋆ **Key Features**:
  - · Single-player mode with AI.
  - · Multiplayer mode for competitive play.
  - · Engaging and responsive user interface.
- ⋆ **Technologies Used**:
  - · Stack: Developed using **React Native** for mobile platform compatibility.
  - · UI: Custom animations for interactive gameplay.
  - · Additional: Optional **backend** integration for online multiplayer functionality.

Weather Forecast App | **Github Link**

- ⋆ **Objective**: Developed a React Native app to display real-time weather information with a 7-day forecast and a dynamic looping background video for an engaging user experience.
- ⋆ **Key Features**:
  - · Real-time current weather updates.
  - · Comprehensive 7-day weather forecast.
  - · Search functionality to check weather for any location.
  - · Background video integration for a visually appealing experience.
  - · Fully responsive design for mobile usage.
- ⋆ **Technologies Used**:
  - · Stack: Built using **React Native** for cross-platform mobile development.
  - · UI: Designed with **custom components** to enhance user interaction.
  - · Additional: Integrated with a **Weather API** for real-time data.

TECHNICAL SKILLS

- ⋆ **Languages**: C, C++, Java, Python, JavaScript.
- ⋆ **Mobile Development**: React Native, Custom Animations, Real-Time Updates.
- ⋆ **UI/UX Design**: Custom Components, Responsive Design.
- ⋆ **Database Management**: MongoDB, Firebase .
- ⋆ **Real-Time Communication**: Socket.IO (for apps with chat functionality).
- ⋆ **Tools & Platforms**: Git, GitHub, Vercel, Render, Expo.
- ⋆ **Other Technologies**: API Integration, Data Structures, Algorithms.

CERTIFICATIONS

MIRCROSOFT AI FUNDAMENTALS   May 28, 2024
Mircosoft learn   Certificate Link | Verify

IT SPECIALIST JAVA   June 24, 2023
Technical Hub Private Ltd.   Certificate Link

RED HAT CERTIFIED SYSTEM ADMINISTRATION (RHCSA)   June 05, 2023
Technical Hub Private Ltd.   Certificate | Verify

IT SPECIALIST PYTHON   July 05 , 2022
Technical Hub Private Ltd.   Certificate Link

ACHIEVEMENTS

3 Star coder at Codechef.com

5 Star in Cpp on Hackerrank.com

Solved more than 450 problems on Leetcode.com