Kripa Sindhu

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EDUCATION

- **Indian Institute of Information Technology Guwahati** — *Assam, India*
- **Bachelor of Technology** in **Computer Science and Engineering** *(CGPA: 7.12/10)* — *Dec 2021 – Present*

PROJECTS

AI Powered Travel Planner App ⌀ — *Aug 2024 - Ongoing*

- Developed an AI-powered travel planning app using React Native and Expo, resulting in 20% faster trip itinerary generation based on user preferences.
- Integrated Gemini AI to provide real-time recommendations, increasing user engagement by 30% for personalized travel suggestions.
- Implemented Firebase Authentication, enhancing security for 100+ active users, and managed data storage using Firebase Realtime Database.
- Achieved 25% improvement in user navigation flow through optimized React Navigation..

Digit Recognition using Machine Learning ⌀ — *June 2023*

- Built a CNN using TensorFlow and Keras, achieving 99.21% accuracy in recognizing handwritten digits across a dataset of 10,000 images.
- Optimized image preprocessing with OpenCV, reducing processing time by 15%.
- Improved computational speed by 20% using NumPy for efficient numerical operations.
- Demo Video Link.

Lost and Found Management System (Group Project) ⌀ — *Apr 2023*

- Developed a Lost and Found web application using ReactJS and Node.js, facilitating 500+ reports of lost and found items.
- Integrated MongoDB for secure data storage, achieving instantaneous retrieval of reports.
- Improved security by implementing JWT authentication for 50+ users, ensuring data privacy and personalized item tracking.

Personal Website ⌀ — *Dec 2022*

- Designed and developed a responsive personal portfolio website using ReactJS, leading to increased user engagement and a streamlined online presence.
- Integrated smooth transitions and navigation for an intuitive and interactive user experience.
- WebSite Link.

Math-Quiz Application ⌀ — *Dec 2022*

- Developed a Math Quiz game using Python and KivyMD, resulting in high user retention due to the intuitive and engaging interface.
- Improved UI/UX design, leading to a 25% increase in user satisfaction ratings.
- Demo Video Link.

SKILLS

- **Languages:** C++, Python, JavaScript, HTML5, CSS.
- **Frameworks and Libraries:** React.js, Next.js, Node.js.
- **Technologies:** AWS Cloud, Firebase, Docker, Git, Google Collab, VS Code, GitHub.
- **Soft Skills:** Process Oriented, TeamWork.

COURSEWORK

Computer Security, Database Management Systems, Networking Protocols, Cloud Computing, Microservices Architecture, Data Structures, Algorithms, OOPS, Model-View-Controller (MVC) Architecture, Artificial Intelligence, Discrete Mathematics, Theory of Computation, Operating Systems, Computer Architecture.

ACHIEVEMENTS

- **Qualified GATE-2024 CSE:** Among the top 5% of total appeared candidates.
- **3-star on CodeChef:** Solved 700+ data structures and algorithms questions across competitive programming platforms including LeetCode and GeeksforGeeks.