KANISHK P

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SUMMARY

Passionate Computer Science graduate with experience in Java, React.js, and mobile app development. Skilled in building full-stack solutions and user-focused software. Eager to contribute clean code and practical problem-solving to impactful projects.

SKILLS

Java, Python , SQL , Data Analysis ,Full-stack development ,React Js, React Native, Node.js, Tailwind, MS Excel, Power Bi , Unreal , Spline, Adobe Illustrator, Adobe Photoshop , CapCut, Communication, Teamwork, Problem-Solving, Critical Thinking, Adaptability, and Time Management

PROJECT

VISION:
- Developed an IoT-integrated object detection system for visually impaired users, achieving 92% accuracy in real-time object recognition, improving recognition accuracy by 5%.
- Integrated sensor data processing with optimized algorithms, reducing feedback time by 30% and achieving an average system latency of 50ms for real-time updates.
- Enhanced system latency, reducing environmental feedback delays by 40%, increasing accessibility and supporting user independence in everyday navigation.

Websites:
- Built a dynamic food recipe website using React.js, Tailwind CSS, and public APIs, showcasing 500+ recipes and increasing user engagement time by 30%.
- Designed a 3D interactive webpage featuring Miles Morales using Spline, React, and Tailwind CSS, boosting user interaction metrics by 40% through immersive animations..

Applications:
- Developed a real-time weather forecasting app with 99% accuracy, delivering up-to-date climate data using API integration.
- Built an anime recommendation app featuring 300+ shows, offering personalized suggestions based on user preferences.
- Enhanced user retention by implementing a responsive UI and custom filters, improving average session duration and engagement.

Real-Time Chatbot
- Built a Chatbot with persistent chat history, increasing user retention by 40%.Implemented localStorage and dynamic UI updates to ensure seamless experience across sessions.
- Connected frontend to OpenAI via FastAPI, automating replies and cutting manual input by 70%.Designed structured prompts reliable, intelligent conversation flow.
- Designed modular, responsive UI components, improving development speed .Utilized TypeScript and Tailwind CSS for maintainable code and consistent cross-device styling.

LGBTQ+ Review Analysis – Data-Driven Insights from Community Survey
- Analyzed survey data from 34,029 respondents using Python for sentiment analysis, uncovering insights on gender identity, age, and daily experiences.
- Performed data cleaning and transformation in Excel 100%, including standardizing gender identity labels and segmenting age groups, to ensure accurate analysis and visualization.
- Visualized key findings with bar charts and stacked charts in Excel, highlighting discrimination patterns and trends in daily satisfaction across various gender identity and age groups.

Research Project:
February 2024 - April 2025
- Developed a continual learning pipeline using BERT and RoBERTa, improving abusive text detection accuracy by 15% while mitigating catastrophic forgetting, achieving a 92% model retention rate across training cycles.
- Engineered NLP models with transformer architectures, enhancing harmful content classification precision by 20%, achieving an accuracy rate of 94% on test datasets.
- Optimized model training processes, reducing training time by 25% while maintaining high performance in detecting abusive content across various contexts.

EDUCATION

Bachelors in Computer Science and Engineering
Kongu Engineering College · Erode · August 2022 - May 2025
- Overall Percentage: 70.01.

Diploma in Computer Science and Engineering.
PSG Polytechnic College · Coimbatore · July 2019 - June 2022
- Overall Percentage: 84.

SSLC 10TH.
Adharsh Vidhyalaya Matric ,Hr ,Sec ,School. · erode · July 2017 - June 2018
- Overall Percentage: 82.

CERTIFICATIONS

NPTEL
- Privacy and Security in Online Social Media ,Distributed System.

Cisco Networking Academy
- Data Analytics Essentials

Accenture
- Data Analytics and Visualization Job Simulation

AWARDS & HONORS

VISION
PSG college
- Won Best Project Award at PSG College for VISION.