Mavin Sandeep V

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Education

B.Tech, Electronics and Communication Engineering,   Oct 2021 – present | Chennai
Amrita Vishwa Vidyapeetham

Certificates

- Python 🔗
- React JS Tutorial 🔗
- Embedded Systems with STM32

Skills

Programming Skills
C,C++,Python,Kotlin

Web Development
React JS,Firebase,Node JS,Java Script

App development
Kotlin,Java,Android Studio

Database Management
SQL,Firebase

Projects

Agricultural Technology(AgriTech 360)   Jun 2023 – Jul 2023
Implemented AI-infused predictive models in agriculture for accurate crop yield forecasts
- resulting in a 20% increase in harvest efficiency and a 15% reduction in resource wastage.
- Optimized crop prediction accuracy by implementing advanced AI algorithms and seamlessly integrating external APIs; achieved a 25% increase in yield and reduced water consumption by 15% for agricultural clients.
- Improved farmer support by flawlessly integrating a chatbot, boosting user experience by 30%.
- Drove a 25% revenue increase by optimizing crop trading with real-time market data.
- Authored and established AI models to predict crop yield with 95% accuracy, enabling farmers to
- Optimize resource allocation and increase production by 20%.

Unavaram   Feb 2023 – Mar 2023
Spearheaded the design and implementation of an innovative Android app for food waste management, leading to a 85% reduction in food waste
- Enhanced Unavaram app security with a multi-step email verification, reducing fraud by 35%.
- Achieved a 40% error reduction in account creation by integrating Firebase Authentication.
- Implemented precise Geo-location using Google Maps APIs for Unavaram, resulting in a 90% improvement in (metric, e.g., delivery efficiency, customer satisfaction)
- Championed the creation of an intuitive and user-friendly UI/UX for the Unavaram app, ensuring a frictionless user experience that drove significant app adoption gains.

Rescue link   Aug 2023 – Sep 2023
Transformed emergency response with AI-powered "Rescue Link" app, delivering hyper-targeted alerts and communication.
- Mitigated India's crisis with 573 disasters and 1,38,377 reported deaths
- Developed "Rescue Link," a pioneering AI-enabled app delivering precise disaster alerts and streamlining communication in critical moments.
- Aligned features with SDG 1 (No Poverty) and SDG 2 (Zero Hunger).
- Amplified project impact by deploying AI-driven IVRS and chatbots, reaching broader communities during disasters.

Awards

1st Place, Vidyut Ideathon   May 2023
Amrita Vishwa Vidyapeetham, Amritapuri Campus
- Developed and executed a comprehensive sustainability strategy, resulting in a 15% increase in customer loyalty and a 25% reduction in waste production, contributing to SDGs 12 and 13.