

# RANGINENI ROHAN

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## SUMMARY

Product-focused Software Engineer with 2+ years of hands-on experience designing and delivering scalable, AI-powered mobile and web applications. Specialized in building cross-platform Flutter applications with robust architectures, real-time capabilities, and seamless user experiences. Proven track record of leading end-to-end execution, from concept to production deployment, with measurable impact on user engagement and system performance. Published researcher with deep expertise in machine learning, full-stack development, and translating complex business requirements into production-grade solutions.

## WORK EXPERIENCE

### Software Developer, Aiphant

Nov 2024 - Present

- Architected and delivered cross-platform Flutter applications integrating AI-driven meal planning, budget optimization, and decision-support features, enabling scalable deployment to **1K+ active users** with minimal performance degradation.
- Designed a modular, scalable architecture using WebSockets, reactive forms, and secure authentication, reducing API latency by **~30%** and improving real-time data synchronization reliability.
- Implemented real-time chat, push notifications, and offline-first persistence using Hive, achieving **99% data availability** in low-connectivity scenarios.
- Integrated Firebase Analytics, Crashlytics, and Deep Linking, proactively identifying and resolving issues, resulting in a **40% reduction** in crash rates post-release.
- Developed a secure medical records application enabling families to organize and share health data, implementing Cubit state management and robust **REST APIs** to ensure secure access control and seamless data retrieval.

### Lead – Technology & Digital Platforms | Hyderabad Pickleball Association (HPA)

2025 - Present

- Led end-to-end technical development of the official platform ([www.playhpa.com](#)), aligning product design with operational and community goals.
- Designed and deployed a custom fixtures generator system, automating tournament scheduling and reducing manual coordination **effort by 80%**, while supporting multiple tournament formats.
- Built scalable web components and backend integrations to manage events, registrations, and match data, supporting repeat participation and consistent user experience.
- Collaborated with operations and community teams to translate execution insights into platform improvements, contributing to higher repeat consumer engagement and smoother event execution.
- Ensured production-grade reliability and performance, enabling successful execution of multiple tournaments with **zero critical system downtime**.

### Intern, Verzeo

April 2022 - June 2022

- Completed a 3-month intensive AI & ML program, gaining hands-on experience across the full ML lifecycle using Python.
- Built a handwritten character recognition system using the MNIST dataset, **achieving >98% model accuracy** through optimized CNN architectures.

## EDUCATION

Bachelors - Artificial Intelligence & Machine Learning | Vignana Bharathi Institute of Technology 2020 -2024

## TECHNICAL SKILLS

- Technical Skills:** Machine Learning: CNN, RNN, ANN, Computer Vision, NLP, Transfer Learning
- Mobile Development:** Flutter, Dart, State Management (GetX, Riverpod), Firebase Integration, Cross-platform Development, UI/UX Design, API Integration
- Programming Languages & Tools :** Python, React, Next.js, HTML, CSS, Javascript, MySql, TensorFlow, PyTorch, Keras, Scikit-learn, Pandas, NumPy, Jupyter Notebooks, Git, Docker, Langchains, RAG, LLMs