AYUSHMAN PANDA

Hyderabad, Hyderabad, India

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Education

IIIT-HYDERABAD   **2020 − 2024**
BTECH + MS IN COMPUTER SCIENCE (GPA: 8.1/10)   *Hyderabad, India*

Technical Skills

Languages: Python, Javascript, Kotlin, Swift, HTML/CSS, SQL
Cloud/DevOps: AWS (ECS, Lambda, Bedrock), GCP, Docker, Git, Airflow
Frameworks: React, Next.js, LangGraph, MERN
Technologies: FHIR/EHR, Firebase

Experience

Global Innovation Hub   **July 2024 − Present**
Founding Engineer, Full Stack Developer   *Hyderabad, India*

- Led full-stack development of a smart therapist and mental health platform, where a team of 3 engineers successfully built and deployed 2 native apps in Android and iOS, established backend infrastructure, and delivered a functional MVP with a live demo within 2 months.
- Architected a FHIR/EHR-compliant EMR system with MCP support and modular SDK design to enable plug-and-play integration across healthcare systems for a portfolio EMR company.
- Directed LangGraph-based LLM pipelines for AI therapists and structured assessments, integrating dynamic context, agent reasoning, and async task queues.
- Implemented centralized analytics architecture across web and mobile (Firebase), unlocking user insights that informed product direction and experimentation velocity.
- Deployed backend and DevOps infra on AWS (ECS, Lambda), maintaining scalable, monitored environments across staging and production systems.

Isaree.ai   **April 2025 − Present**
iOS Developer (Swift)   *Remote*

- Architected and led 0-1 iOS development of a clinical smart agent app using SwiftUI (iOS 26), MVVM, AVFoundation, and async voice binding for structured data capture.
- Ported the app to leverage Default GlassEffectShape and glassBackground Effect from the iOS 26 SDK, working with Xcode beta to adopt cutting-edge UI capabilities and optimize performance.
- Integrated on-device ML pipelines for medical transcription; collaborated with ML teams to extract concepts from clinician-patient voice chats via custom LLM workflows.
- Developed secure Firebase Auth (Google/Microsoft SSO) and Firebase Analytics logging with remote config to support real-time user feedback loops and A/B tests.
- Delivered crash-safe, memory-optimized builds via profiling tools and architected deployment + session control workflows for secure, compliant clinician usage.

TONIK BANK   **January 2024 − June 2024**
Data Engineer Intern   *Chennai, India*

- Grabbed a Pre-Placement Offer (PPO) for good performance and contributions during the internship.
- Executed multiple ETL tasks, deploying them into production using Google Cloud Platform (GCP), Airflow, Power BI, and Python.
- Collaborated with the data science team on risk management assessments, contributing to key projects.
- Analyzed customer data to extract valuable insights, particularly in geolocation and mobile activity, driving impactful business decisions.

RUTGERS UNIVERSITY   **February 2022 − December 2023**
Full Stack Developer Intern   *Remote*

- Worked with Rutgers University on a Project dealing classified WhatsApp Data.
- Handled 1K+ active monthly users and helped in collection of -5TB of anonymised whatsapp data.
- Built using MERN stack and advanced data protection and anonymisation by using Google GCP and DLP.
- The project was funded by Google and the European Union.

Publications

CAPTURING HIDDERS WITH MOVING OBSTACLES | *AAMAS'23*   **2023**