Abdul kamil

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Results-driven tech innovator with expertise in **full-stack development** and **cloud-native solution**. **Successfully led high-impact projects** such as **"Uzhavan Connect"**, **a voice-enabled platform** empowering farmers, and **a Smart Attendance System** leveraging **geofencing** and **face recognition**. Proficient in **AWS, Firebase, MongoDB**, and **REST APIs**, focused on building **scalable, user-centric applications**. Recognized for **leadership, mentoring peers,** and **Hosting tech events for AWS & GDG**. **Passionate about using technology to solve real-world challenges** and drive **meaningful change.**

Skills

Programming Languages: C, Java,
Web Development: Full-Stack Development,
HTML,CSS,JS, Node.js, Express.js, REST APIs
Cloud Computing: AWS , Firebase, Google Cloud

Containerization & DevOps: Docker, CI/CD
Version Control: Git, GitHub
App desigin: Figma & penpot

Experience

App Designer Intern   **June 2024 – August 2024**
ReTech Pvt Ltd
      project: **REGEO- register+geofencing**
                Created a cloud-based app integrating geofencing and face recognition for automated attendance.

 • Designed and prototyped the Smart Attendance System app, integrating geofencing and face recognition to automate attendance tracking.
 • Collaborated with cross-functional teams to ensure a seamless user experience (UX) and intuitive interface (UI).
 • Worked on refining the real-time admin dashboard, enhancing design elements for better usability.
 • Assisted in conducting user research, iterating on designs based on feedback to meet user needs and improve engagement.
 • Developed expertise in tools like Adobe XD, Figma, and Sketch, contributing to the overall quality of the app.

Projects

REGEO - Smart Attendance System
 • Designed and developed a **cloud-Native attendance solution** integrating **geofencing, face recognition**, and **live analytics** to eliminate proxy attendance and automate tracking.
 • Built a real-time admin dashboard with **Firebase** and **Node.js**, enabling **secure** and **efficient** attendance monitoring.
 • Implemented **multi-layer verification** using **GPS, IP**, and **biometric validation**, achieving over **95% accuracy** in real-world conditions.
 • The system's success led to recognition from college authorities, who **entrusted my team to scale** it into a **full-fledged ERP portal** for institutional deployment.
 • **Tech Stack: HTML, JavaScript, Node.js,AWS, Firebase, MongoDB, OpenCV, Geolocation API**

Uzhavan Connect – Voice-Enabled AgriTech Platform
 • Spearheaded the development of a **farmer-first digital platform** integrating **real-time crop insights, voice commands,** and **WhatsApp-based broadcast systems** to empower rural farmers and aimed at **minimizing middlemen** by **facilitating direct B2B connections between farmers** and **businesses**.
 • Developed tools for **NABARD loan eligibility, market price tracking, and smart farming recommendations**, enabling informed decisions and financial access.
 • Designed a **multilingual, user-friendly interface** optimized for low-bandwidth rural areas, enhancing inclusivity and reach.
 • Recognized for innovation and social impact, the project won accolades in national hackathons and received strong interest from agri-tech stakeholders.
 • **Tech Stack: HTML, CSS, JavaScript, Node.js, Firebase, MongoDB, Dialogflow, Twilio, Google Maps API,AWS**

Achievements

Hack A Cloud 2025 – 1st Runner-Up (Team TECH X)
 • Designed a secure, scalable AWS cloud setup with real-time hosting and auto-scaling.
 • Built a full-stack CI/CD pipeline using EC2, S3, RDS, Route 53, WAF, CloudFront, and CloudWatch.
 • Deployed a production-ready system with zero downtime, disaster recovery, and threat mitigation—in under 30 mins.
 • Recognized for excellence in cloud architecture, DevOps, and security.

Innothon '24 – 1st Runner-Up (Team TECH X)
• Built a Smart Attendance System using geofencing, face recognition, and Firebase.
• Enabled real-time monitoring with an interactive admin dashboard.
• Impressed judges with the innovation, scalability, and proxy-proof mechanism.

Gen Brainiacs 2024 – 1ˢᵗ place (Team TECH X)
• Built Uzhavan Connect, a farmer-to-consumer app with live crop prices, loan eligibility checks, and a smart marketplace.
• Added voice commands for ease of use and Twilio SMS alerts for updates.
• Used GCP for a scalable, secure, and mobile-first design empowering rural communities.

Volunteering and Leadership Experience

Lead Host, Google Developer Group (GDG) – On-Campus Chapter
 April 2024 – Present
 • Organized and hosted GDG events focused on Cloud, Firebaṡe, and AWS, promoting hands-on learning and innovation.
 • Collaborated with a core team to manage sessions, logistics, and outreach, impacting 200+ students through workshops and demos.
 • Fostered a strong campus tech culture by connecting students with real-world tools and cloud technologies.

Education

St.Joseph's *college of engineering*
Bachelor of Technology in IT
CGPA: 8.0

Certifications

• **AWS - Cloud Practitioner** (CLF-C02)
• **AWS - Academy foundations**