

Ashahar Yunus Khan

7376427274 | ashaharyunuskhan@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Vellore Institute of Technology

Bachelor in technology in Computer Science

Chennai, TN

Sep, 2022 – May, 2026

St Joseph's College

Higher Secondary Education

Allahabad, UP

Mar, 2008 - Mar, 2022

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, HTML, CSS, R

Frameworks: Spring Boot, React, React Native, Node.js, Express, Expo, Flask

Databases: SQL, Firebase, MongoDB

Tools/Platforms: Git, Linux, Docker, Kafka, AWS, VS Code, IntelliJ, Android Studio

Libraries: NumPy, Pandas, TensorFlow, PyTorch, Keras, Matplotlib

Concepts: REST APIs, Microservices, gRPC, Kafka Messaging, JWT Auth, CI/CD, Git Workflow, Agile

ACHIEVEMENTS & CERTIFICATIONS

- **Winner, Spectrum Hackathon 2025** – 1st place among 300+ teams for a VR-based bike repair app.
- **Top 25, CodeVolt Hackathon 2025** – Finalist for agriculture-focused mobile app.
- **LeetCode** – Solved 450+ DSA problems across various platforms.

EXPERIENCE

Web Development Intern

Natt Labs

Oct 2023 – Mar 2024

Bangalore, India

- Developed and deployed responsive UI components using React, improving mobile compatibility and overall user experience.
- Reduced homepage load time by 30% by implementing lazy loading, compressing images, and minifying scripts.
- Resolved 20+ UI/UX bugs and collaborated with designers to enhance website responsiveness and usability.

PROJECTS

CareConnect – Distributed Healthcare Platform | *Spring Boot, Docker, gRPC, Kafka, AWS* April 2025 – Present

- Engineered a microservices-based healthcare platform to manage patient data, billing, authentication, and analytics independently.
- Implemented REST/gRPC/Kafka-based inter-service communication for low-latency, real-time data exchange.
- Integrated Spring Security with JWT authentication to safeguard APIs, routed via an API Gateway.
- Dockerized 5+ services and deployed infrastructure on AWS using LocalStack and CloudFormation templates.

AgriVision | *Flutter, Dart, Firebase, TensorFlow, PyTorch, Flask*

Sep 2024 – Present

- Developed a cross-platform mobile app that helped 100+ farmers detect crop diseases in real time using smartphone cameras.
- Trained a PyTorch image classification model with 95% accuracy for disease prediction from plant images.
- Integrated Firebase for secure authentication and real-time database syncing to enhance user engagement.

Emotion Detection for Elderly | *Python, OpenCV, Keras*

May 2024 – Present

- Built an emotion detection system using CNNs trained on a custom-modified FER-2013 dataset focused on elderly individuals.
- Incorporated 1,000+ additional facial samples for model fine-tuning, improving recognition accuracy by 15%.
- Achieved 92% accuracy in detecting emotional states, enabling early wellness alerts for caregivers.