

Jonnadula Abhiram

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SUMMARY

Full-Stack Software Engineer and Computer Science undergraduate (2027) specializing in MERN stack, Spring Boot, and real-time systems. Experienced in designing scalable, production-grade applications, REST APIs, and backend systems with a focus on performance, system design, and database optimization. Currently contributing in a startup environment, delivering high-impact, end-to-end solutions.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C

Frontend: React, Tailwind, Material UI, HTML, CSS

Backend: Node.js, Express, NestJS, Spring Boot, FastAPI, Flask, REST APIs, JWT

AI/ML: TensorFlow.js, HuggingFace, PyTorch, Whisper

Databases: MongoDB, MySQL, PostgreSQL, Firebase Firestore

Tools: Git, GitHub, Postman, Socket.io, WebSockets

EXPERIENCE

Software Developer (Full Stack)

Technopose | 2026 – Present

- Built and deployed scalable full-stack applications for client requirements, improving system performance and reliability.

PROJECTS

SmartCare+ – Intelligent Healthcare Platform

GitHub

MERN, TensorFlow.js, Socket.io, JWT, bcrypt, Tailwind

- Designed RBAC dashboards for 3+ user roles managing appointments and clinical records.
- Integrated AI chatbot with on-device inference, reducing latency and improving data privacy.
- Secured 15+ REST APIs handling concurrent requests using JWT authentication and real-time messaging.

Advanced Sentiment Analysis Platform

GitHub

FastAPI, React, HuggingFace, PyTorch, DistilBERT, RoBERTa

- Achieved **98% accuracy** on sentiment classification across large-scale datasets using ensemble models.
- Implemented batch processing pipeline handling thousands of CSV/XLSX records per execution.
- Designed interactive dashboard with FastAPI backend and real-time analytics visualization.

LinguaConnect – AI Language Platform

GitHub

React, TypeScript, Gemini API, Whisper, Flask, OCR, PWA

- Engineered offline-capable PWA supporting multilingual text, audio, and image inputs.
- Integrated speech-to-text and OCR pipelines enabling scalable multi-format data processing.
- Developed gamified learning modules improving user engagement and retention.

University Admission Management System

GitHub

MERN, Material UI, Cloudinary, JWT

- Architected multi-step admission workflows with AI-based recommendations and document uploads.
- Implemented role-based dashboards with real-time application tracking.
- Generated analytics reports with export features and secure RBAC-based access control.

Real-Time Chat Application – Android

GitHub

Android (Java, Kotlin), Firebase (Auth, Firestore, FCM)

- Engineered real-time messaging system supporting concurrent users with Firestore synchronization.
- Integrated Firebase Authentication and FCM for secure access and instant push notifications.

EDUCATION

Vignan's Foundation for Science, Technology & Research

2023 – 2027

B.Tech in Computer Science and Engineering

CERTIFICATIONS

- DBMS – NPTEL (IIT Kharagpur)
- Vulnerability Management – Qualys
- Qualys Certified Specialist
- Cambridge English B1 – Cambridge

ACHIEVEMENTS

- Finalist** – HackXlerate 2025 (byteXL National Hackathon)
- 2nd Place** – University Project Expo (Full-Stack Development)
- Semi-Finalist** – Amaravathi Quantum Valley Hackathon
- Delivered multiple full-stack projects solving real-world problems end-to-end.