GOKUL E

Full Stack Web Developer

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SUMMARY

Full stack web developer with hands on experience shipping deployed applications, from React and Next.js/TypeScript frontends to API routes and deployment. Completed a full stack bootcamp covering HTML, CSS, JavaScript, React, Node.js, PostgreSQL, and MongoDB. Additional experience with Flutter and Solidity through personal projects. Seeking a full stack software engineering role.

EXPERIENCE

Android App Development Intern, MindMatrix Feb 2026 to May 2026

- Built a Kannada poetry app from scratch in Jetpack Compose per a defined PRD: poem-of-the-day rotation, tap-to-reveal word meanings, and audio playback via MediaPlayer.
- Designed an offline-first architecture using local JSON datasets (50 poems, 8 poet profiles), no backend dependency, plus a Python script to validate data before release.
- Scoped features against the PRD, excluding out-of-scope items like accounts and cloud sync, and tested modules before shipping.

PROJECTS

Sanitizr: Privacy-First Metadata Removal Tool | sanitizr.vercel.app

Browser-based tool that strips sensitive metadata (GPS, device info, author data) from images, video, audio, and PDFs entirely client-side, with zero server uploads.

- Built fully client-side sanitization pipelines for 4 file categories: HTML5 Canvas re-encoding for images, in-browser FFmpeg WebAssembly (stream-copy) for video/audio, and pdf-lib for PDF metadata wiping — no files ever leave the browser.
- Implemented lazy-loaded FFmpeg WASM with Cross-Origin Isolation (COOP/COEP headers) to enable SharedArrayBuffer support, stripping container and chapter metadata losslessly without re-encoding audio/video frames.
- Designed a pre/post-clean metadata inspector using exifr (images) and structural tag scanning (video/audio/PDF) to verify sensitive tags are fully removed before download.

Tech: Next.js, TypeScript, Tailwind CSS, shadcn/ui, Framer Motion, exifr, FFmpeg WASM, pdf-lib

FifaHub: FIFA World Cup 2026 Tracker | fifa-hub.vercel.app

Full stack web app for tracking matches, teams, and live prediction odds for the 2026 FIFA World Cup.

- Built with Next.js App Router and a custom Pitch Dark 2026 design system with neon green accents and cinematic background video.
- Integrated Polymarket's API via a custom usePolymarketOdds hook to surface live market data for every match in real time.
- Features match tracking, team favorites dashboard, live standings, and a full 48 nation data repository with flags and logos.

Tech: Next.js, TypeScript, Tailwind CSS, Framer Motion, Radix UI, Polymarket API

BetArc: Provably Fair Web3 Gaming Platform | bet-arc.vercel.app

On-chain gaming platform on Arc Testnet using Chainlink VRF for verifiable randomness, PvP and solo modes, and native USDC stablecoin payments.

- Designed a Solidity engine supporting 9 provably fair game types (Coin Flip, Plinko, Dice, Roulette, Crash, Mines, and more); Coin Flip and Plinko are currently live, with randomness sourced from Chainlink VRF.
- Solo and 1v1 PvP bets settle fully on-chain; wallets can delegate a zero-popup session key that places bets but can never withdraw funds.

Tech: React, Vite, Ethers.js, Solidity, Hardhat, Chainlink VRF, Reown AppKit

SplitArc: Decentralized Bill Splitting

Trustless group payment app on Arc Testnet using smart contract escrow and USDC stablecoin.

- Smart contract holds funds in escrow and releases to receiver only when all participants have paid their share.
- Guaranteed refunds on cancellation; USDC payments avoid price volatility during the payment window.

Tech: Solidity, Hardhat, Flutter, web3dart, Reown AppKit, USDC

Plant Leaf Disease Detection: Major Project

- Trained a CNN-based image classifier for multi-class disease detection across multiple plant species.
- Built an end-to-end pipeline: image preprocessing with OpenCV, model inference with TensorFlow/Keras, and result visualization.

Tech: Python, TensorFlow, Keras, NumPy, OpenCV

EDUCATION

B.Tech, Computer Science Engineering
HKBK College of Engineering | Graduated 2026 | CGPA: 7.37
The Complete Full Stack Web Development Bootcamp, Udemy (completed)

SKILLS

Web: JavaScript, TypeScript, HTML, CSS, React, Next.js, Tailwind CSS
Backend & APIs: Next.js API Routes, Node.js, Firebase, REST APIs
Databases: PostgreSQL, MongoDB
Tools: Git, GitHub, Vercel, Google Cloud, AdMob, AI-assisted development (Claude Code, Cursor, Codex, Antigravity)
Exposure through projects: Flutter/Dart, React Native, Solidity, Python (basics)

LANGUAGES

English, Malayalam, Hindi