

# Eshaan Nair

+91 6268978494 | eshaannair3456@email.com | [github.com/Eshaan-Nair](https://github.com/Eshaan-Nair) | [linkedin.com/in/eshaan-nair00](https://linkedin.com/in/eshaan-nair00)

## EDUCATION

---

### KIIT University

Bachelor of Technology in Computer Science and Engineering

Sept. 2022 – 2026

Bhubaneswar, Odisha

### St. Joseph's Co-Ed School

Higher Secondary Education

Feb. 2010 – Mar. 2022

Bhopal, Madhya Pradesh

## PROJECTS

---

### Glia AI | *TypeScript, Node.js, SQLite-vec, React, Chrome MV3* | [Github Repo](#) | [Website](#)

- Built a local-first persistent memory system for AI coding tools and browser chat interfaces (Claude, ChatGPT, Gemini, Cursor, Windsurf), published on npm with one-command setup via npx glia-ai-setup
- Engineered a three-layer hybrid retrieval engine (sentence vectors, chunk vectors, FTS5 keyword search) with HyDE and surgical sentence trimming, achieving 90% recall @ 1 across 1,000 chunks and 95% context compression
- Implemented a dual-interface architecture Chrome MV3 browser extension with SPA-aware auto-inject and an MCP server exposing 7 tools both reading from a shared SQLite knowledge graph with zero cross-project data leakage

### Khrishi Kisan AI | *Random Forest, Flask, Streamlit, Solidity, Ethereum* | *Capstone Project*

- Built ML-based crop yield prediction system using Random Forest on 12,000+ agricultural records, achieving  $R^2$  score of 0.87 and reducing prediction error by 18% over Linear Regression baseline
- Integrated Ethereum smart contracts for tamper-proof storage of prediction records, optimizing gas usage during testnet deployment
- Developed RESTful API using Flask and interactive Streamlit dashboard enabling real-time predictions

### Smart Expense Splitter | *React.js, Node.js, Express.js, MongoDB, Tailwind CSS* | [Github Repo](#)

- Built a full-stack expense management web application supporting 20+ concurrent users with real-time balance updates and automated bill splitting
- Implemented graph-based debt settlement algorithm reducing required transactions by up to 60%
- Optimized responsive UI achieving 95+ Lighthouse performance score and supporting equal, percentage, and custom split types

## EXPERIENCE

---

### IT/Web Society (Konnexions)

Design Director

Feb. 2023 – Aug. 2025

Bhubaneswar, Odisha

- Designed event branding, posters, and social media assets for 4+ hackathons and technical fests using Photoshop, Illustrator, and Canva, building reusable templates that reduced per-event production time by 35%
- Led a 7+ member design team to deliver cohesive visual identities across print and digital collateral, maintaining brand consistency from ideation to event-day execution

### Google Developer Student Clubs (GDSC)

Graphic Designer and Video Editor

Feb. 2023 – Dec. 2024

Bhubaneswar, Odisha

- Designed visual assets using Canva/Photoshop and edited 10+ technical session recordings, reducing post-production turnaround time by 50%

## TECHNICAL SKILLS

---

**Languages:** C++, JavaScript, Python, TypeScript

**Frontend:** React.js, HTML5, CSS3, Tailwind CSS, Chrome Extensions (MV3)

**Backend:** Node.js, Express.js, REST APIs, MCP, Django

**Database:** MongoDB, ChromaDB, SQLite

**AI/ML:** RAG, LLM, Lang Graph

**Tools:** Git, GitHub, VS Code, npm, Postman, Docker, ollama

**Coursework:** Data Structures & Algorithms, OOP, Computer Systems, Networking, Machine Learning