

SUVAM J NEOG

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SUMMARY

Full-stack developer who ships **AI products** in production. Put a field app in the hands of **30+ government officers**, shipped an **IEEE-indexed** nutrition platform for Indian foods, and built a job-match engine hitting **92% precision**—from the model layer to the UI users open daily.

EDUCATION

B.Tech in Computer Science Engineering, The Assam Royal Global University

2022 – 2026

SKILLS

Languages: JavaScript, TypeScript, Python, C++, C; **Frontend:** React.js, React Native; **Backend:** Node.js, Express.js, FastAPI, REST APIs, JWT, OAuth, Socket.IO; **Databases:** MongoDB, MySQL, PostgreSQL; **AI / ML:** RAG, LLM APIs, TensorFlow; **Tools:** Docker, CI/CD, Jest, Git, GitHub, Postman, Vercel, Render, Agile

EXPERIENCE

Full-Stack Developer Intern

Jun 2025 – Aug 2025

ARIAS Society, Govt. of Assam

Assam, India

- **40% faster reporting:** Reduced field survey submission time by shipping **Beel**—a production **MERN** app with offline geolocation capture, real-time sync, and form validation. Adopted by **30+ government officers** within 8 weeks.
- **Shipped 4 core features on time:** production **REST APIs** for survey ingestion (**2.1k req/day**), **JWT** auth, **Socket.IO** live sync, and a field-ready capture UI—built for officers working offline across Assam, not desk-bound dashboards.

AI/ML & Semiconductor Intern

Jul 2024 – Aug 2024

NIELIT

India

- **78% detection accuracy:** Trained a **TensorFlow** face detection model that outperformed baseline MTCNN by 7 percentage points on WIDER Face validation set (450+ test images).

PUBLISHED RESEARCH

- **FoodAnalyzer: AI-Driven Nutrition Analysis for Indian Foods** ([IEEE ICCPIS 2025](#)) research on deep learning for nutrition from mobile food images.
- **Tai Ahom Script OCR** (3rd Int. Conf. on Computing & Machine Learning 2026) SATRN benchmarking on British Library EAP manuscript scans; **94% character recognition** on low-resolution historical documents.

PROJECTS

FoodAnalyzer — AI Nutrition for Indian Foods

[Live](#) | [GitHub](#)

Solved the gap where global nutrition apps ignore Indian meals: shipped an **AI food-recognition** + diet platform on **2,400+ regional foods** (IFCT 2017/INDB) with barcode scan and meal logging. Hit **1.2k+ nutrition records** from real users; published at **IEEE ICCPIS 2025**.

Mosaic Assam — Art and Artists

[Web](#) | [Play Store](#)

Art and artists platform built so creators showcase talent without memes or distractions. Shipped web + **React Native** app (OAuth, media uploads, deep links, push). Reached **60+ installs** and **40 MAU** in the first rollout.

Sakori — AI Job Finder

[Live](#)

Matched Northeast job seekers to roles that actually fit, instead of blind mass applications: shipped an Assam-first pipeline (**FastAPI**) over **300+ Assam/NE listings** at **92% precision**, with **RAG** + grounded multi-step AI fit (**yes / maybe / skip** with notice evidence), Pro apply packs (cover note, checklist), and Telegram alerts—bought by **50+ users**.

RECOGNITION

- Advanced to **APF Regional Round**, YUKTI Innovation Challenge 2025 (**1 of 50** selected from 1000+ submissions)
- Won **Best Innovation Stall Award**, IIC Regional Meet 2025 (FoodAnalyzer).