

NILAMBAR BEHERA

AI & Data Science Engineer | Full Stack Developer | Founder @ [Mitti-AI](#)

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Bhadrak, Odisha, India



PROFESSIONAL SUMMARY

Startup founder and product builder with hands-on expertise in AI/ML, IoT, full-stack development, and data science.

Founded [Mitti-AI \(Saathi AI\)](#) — an agri-tech startup that won **1st place at State, University, and College levels** and secured a total of **₹6,00,000 in prize money** — competing against 72+ teams across Odisha.

Shipped production-grade products spanning an AI decision engine, a custom IoT device, a mobile app, and multiple web tools — all while pursuing a BCA degree. Driven by a singular focus: build real solutions that create real impact.

Open to internships and entry-level roles in AI, Data Science, and Full Stack Development.

EDUCATION

Bachelor of Computer Applications (BCA)

Bhadrak Autonomous College, FM University | 2024 – Present

CGPA: **8.5** | [College Topper](#) | [School Topper](#)

AWARDS & ACHIEVEMENTS

- 🏆 **1st Place — Odisha State-Level Innovation & Startup Competition** Ranked #1 among 72+ competing teams from across Odisha. Prize: ₹5,00,000.
- 🏆 **1st Place — FM University Level Competition** Top-ranked entry out of all university-level participants. Prize: ₹1,00,000.
- 🏆 **1st Place — College Level (Bhadrak Autonomous College)** Swept the college-level round before advancing to university and state competitions.
- 🎓 **Academic Topper** Consistent top ranker from school through current BCA program (CGPA: 8.5).
- 🚀 **Multi-Product Builder** Shipped 5+ live projects spanning AI, IoT devices, mobile apps, Chrome extensions, and data tools — independently.

TECHNICAL SKILLS

AI / Data Science: Python, Pandas, NumPy, Scikit-learn, Machine Learning, Data Visualization, Matplotlib, Data Modeling, SQL, DBMS

Full Stack Development: React.js, TypeScript, Vite, HTML5, CSS3, JavaScript, REST APIs

UI/UX & Product Design: Figma, Wireframing, Prototyping, Responsive Design, Mobile-first UI

IoT & Embedded Systems: ESP32, Arduino, C++, Real-time Sensor Integration, Edge Computing

Tools & Platforms: Git, GitHub, VS Code, Jupyter Notebook, Google Colab

PROJECTS & STARTUP EXPERIENCE

[Mitti-AI / Saathi AI](#) — Founder & Lead Developer [saathiai.org](#) | [aani.saathiai.org](#)

Agri-tech startup delivering AI-powered soil intelligence and crop advisory to farmers via an IoT-integrated, mobile-first platform.

Competition Record:

- 1st at College Level (Bhadrak Autonomous College) → 1st at FM University Level (₹1,00,000) → 1st at Odisha State Level (₹5,00,000) out of 72+ teams.

Product & Engineering:

- Architected and shipped an end-to-end agri-tech ecosystem: IoT device → real-time data pipeline → AI engine → mobile app recommendation — covering hardware to user interface.

- Built Megha, a Python-based AI decision engine that processes soil nutrient data and delivers precision crop recommendations, directly improving farmer decision-making.
- Engineered Agni, a custom ESP32 IoT soil scanner with multi-sensor arrays for real-time field data capture — bridging physical farmland with the digital AI platform.
- Designed and developed the Saathi AI platform and Android app using React.js, TypeScript, and Vite — a production-grade mobile-first interface tested with real users.
- Managed full product lifecycle: problem discovery, system architecture, hardware prototyping, software development, UI design, and competition deployment — solo + small team.
- Engineered Agni... → enabling real-time soil analysis in seconds

[AI Career Architect](#) — Developer *Web Application | AI / NLP*

AI-powered resume analysis platform that parses uploaded resumes, scores them against job criteria, and delivers structured improvement recommendations.

- Built a complete upload → parse → AI analysis workflow delivering actionable career feedback within seconds — reducing the guesswork in job application prep.
- Designed a clean, data-rich UI with score breakdowns, keyword gap analysis, and prioritized action items — making career optimization accessible and fast.

[LectureSnap.ai](#) *Chrome Extension | EdTech / AI*

Browser extension that converts YouTube lectures into structured study notes — with AI summaries, auto-captured screenshots, and timestamp markers.

- Automated the full note-capture pipeline: trigger screenshot, log timestamp, generate AI summary — turning passive video watching into actionable study material.
- Designed specifically for students to compress lecture review time and improve exam retention without leaving their browser.

[AestheticQR](#) — Developer *Web Product | Design Tool*

Creative QR code generator with real-time aesthetic customization — gradients, custom color palettes, and downloadable branded outputs.

- Engineered a real-time QR generation pipeline with live style previews, gradient fills, and high-res export — solving the gap between functional and visually appealing QR codes.

[Smart Data Analyst](#) — Developer *Web Tool | Data Science*

Browser-based data analysis tool enabling non-technical users to upload CSV datasets and instantly receive automated insights, statistics, and visual charts.

- Built a Pandas-powered backend with interactive Matplotlib chart generation — reducing exploratory data analysis setup from hours to seconds.
- Designed for accessibility: zero-code interface lets students and business users explore data without a Python environment.

CERTIFICATIONS

- ▶ **IBM Data Science Professional Certificate** — IBM / Coursera
- ▶ **Python for Data Science, AI & Development** — IBM / Coursera
- ▶ **Mathematics for Data Science** — Coursera
- ▶ **HTML, CSS & JavaScript for Web Development** — Johns Hopkins University / Coursera

LANGUAGES

English (Professional Proficiency) **Hindi** (Fluent) **Odia** (Native)