

ANIK CHAKRABORTY

Software Engineer — Full-Stack, Mobile & Applied ML | Co-Founder, CampusHub

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SUMMARY

B.Tech CSE undergraduate (MAKAUT) who co-founded and scaled CampusHub, a student platform that reached 30,000+ organic monthly visitors and ₹50,000+ revenue in peak semester months, within 4 months of launch. Designed and built .anik, a custom programming language with a hand-written Python compiler, including a lexer, parser, AST generation, and code execution. Full-stack and mobile development experience across React, Node.js, Firebase, Flask, MongoDB, and Kotlin/Jetpack Compose. Engineered a defense architecture (Cloudflare Turnstile, server-side token validation, rate limiting, token binding) that stopped a 500,000+ request bot attack on a production API.

TECHNICAL SKILLS

- Languages: C++, Python, PHP, Kotlin, JavaScript
- Web & Backend: React, Node.js/Express (MERN), Flask, Firebase, MongoDB, REST APIs, HTML/CSS
- Mobile: Android (Kotlin, Jetpack Compose, Android Studio)
- Language Design: Lexers, parsers, AST generation, code generation/VM — built .anik, a custom programming language, from scratch in Python
- ML / AI: Naive Bayes classification, TensorFlow, local LLM integration (LM Studio)
- Tools & Practices: Git, CI/CD, Cloudflare, System Architecture & Design, API Security / Rate Limiting

EXPERIENCE

Co-Founder & System Architect — CampusHub (campushub.site)

Nov 2025 – Present

- Grew CampusHub to 30,000+ organic monthly visitors and ₹50,000+ revenue in peak semester months — reached within 4 months of launch
- Designed the site architecture and courses UI (HTML/CSS/JS filter bar, card grid, SVG illustrations)
- Defined monetization strategy spanning local business advertising, a student premium subscription, and a job/internship board
- Mitigated a 500,000+ request bot attack using Cloudflare Turnstile, server-side token validation, rate limiting, and token binding

Software Architect (Part-time) — Yozex — Remote

Aug 2025 – May 2026

Full Stack Developer (Full-time) — Yozex — Remote

Jan 2024 – Aug 2025

- Built and shipped the Yozex Android app, live on the Google Play Store, using Firebase and Android Studio
- Progressed from full-time full-stack development into a part-time system architecture role over 2+ years

React Developer, MERN (Freelance) — Remote

Aug 2022 – May 2024

- Delivered freelance web applications on the MERN stack (MongoDB, React, Node.js) with a focus on UI/web design

Content Writer — Techniquehow

Jan 2020 – Mar 2020

- Contributed articles on programming and technology topics for a beginner audience

PROJECTS

[.anik](#) — Custom programming language & compiler

Nov 2025 – Present

- Designed and hand-built a compiler and language from scratch in Python: lexer, parser, AST generation, and code generation/execution
- Created a distinct syntax using transliterated Bengali keywords (e.g., dhoro for variable declaration; jodi / tahole / nahole for if / then / else)
- Successfully compiled and ran the first .anik program end-to-end; actively adding language features

[FakeShield AI](#) — Fake review detection platform

April 2025 – July 2026

- Built with React, Firebase, and a Python Flask backend using a Naive Bayes classifier and a local LLM (via LM Studio) for review authenticity scoring

[indiaupdatenews.com](#) — News platform

March 2026 – April 2026

- Handles 10,000+ users daily

[craftsmodehandicraft.com](#) — Local e-commerce platform

May 2026 – Present

EDUCATION

B.Tech in Computer Science & Engineering — MAKAUT, West Bengal (formerly WBUT)*Sep 2023 – Aug 2026*

GPA: 8.28 (through 7th semester), 8.5 (latest semester)

Diploma in Computer Science & Technology — Regent Institute of Science & Technology (WBSCTE)*2019 – 2022*

OGPA: 8.3 (8.9 in final semester)

Higher Secondary — Kamalpur Govt. English Medium H.S. School — Tripura Board

Score: 72.8%

CERTIFICATIONS & COURSES

- CS50: Introduction to Programming with Python — Harvard University
- C++ — Abdul Bari (Udemy)
- Java Programming — GreatLearning
- Android App Development with Kotlin — OAK Academy (Udemy)
- Information Security Education Awareness — Ministry of Electronics & Information Technology

ADDITIONAL

- Teaches programming fundamentals on YouTube (channel: Anik Chakraborty)
- Languages: English, Hindi, Bengali