Sahil Sharma

AI & Software Developer · Product Builder

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GitHub LinkedIn Devpost LeetCode Unstop

SUMMARY

BCA student and product-focused builder turning ideas into working demos using React, Node.js, Python, FastAPI, and LLM-based workflows. Shipped 9+ real-world prototypes across web, mobile, AI, cybersecurity, and automation — including an AI cyber intelligence platform, an educational second brain, a real-time AI streaming co-pilot, a campus safety platform, and a smart call management app.

SKILLS

Programming:	Python, JavaScript, TypeScript, Kotlin, C++
Frontend:	React, Next.js, HTML5, CSS3, Tailwind CSS
Backend:	Node.js, FastAPI
AI / Data:	Machine Learning, LLM APIs, Gemini, Vertex AI, OpenCV, Computer Vision, Data Analysis, Pandas
Mobile:	Android (Kotlin), BLE Integration
Blockchain:	Algorand, NFT Smart Contracts, Blockchain
Tools:	Git, GitHub, Figma, Android Studio, VS Code, Streamlit, Jupyter Notebook, Kaggle
Concepts:	DSA, OOP, DBMS, Rapid Prototyping, AI-assisted Design & Development, OSINT, Cyber Intelligence, Agent Security

PROJECTS

Rakshastra — AI-powered cyber intelligence platform. GitHub Live demo Devpost

Python · FastAPI · React · LLM APIs · OSINT

- AI-driven multilingual analysis that understands slang, emojis, code words and context — beyond simple keyword matching.
- Correlates digital entities (usernames, phone numbers, email addresses, crypto wallets, invite links) into actionable investigative leads.
- Dynamic intelligence graph, risk scoring, and an evidence timeline with explainable AI reasoning.
- Investigator-ready audit reports.

AvorIQ — AI-powered educational second brain. GitHub Live demo Devpost

Next.js · React · Tailwind CSS · FastAPI · LLM APIs

- Full-stack: Next.js, React and Tailwind CSS on the front end; FastAPI with local AI tooling on the back end.
- LLM workflows generate adaptive, goal-aware guidance personalised per user.
- Designed and shipped end-to-end as a working prototype with a clean UI and documented API.

StreamMind AI — Real-time AI co-pilot for live streamers. GitHub Live demo Devpost

Google Gemini · Vertex AI · Confluent Cloud · Streamlit

- Ingests live data streams through Confluent Cloud and processes them with Google Gemini via Vertex AI.
- A Streamlit dashboard presents real-time AI-generated insights with low latency.
- Delivered end-to-end during a hackathon — concept to demo.

VoxClip-AI — AI video editing tool. GitHub Live demo Devpost

Python · Machine Learning · OpenCV

- ML-based scene detection and clip extraction.
- Computer-vision techniques identify key moments and automatically generate polished clips.

AmityConnect — Smart campus safety platform. GitHub Live demo

TypeScript · React · Node.js

- Real-time emergency notifications, integrated ride-sharing for safety, and a reputation system for peer services.
- Shipped from ideation to a working prototype.
- Coordinated design, back end and front end across the team under time constraints.

ProxiCall — BLE-powered smart call manager. GitHub Live demo Devpost

Kotlin · BLE · AI

- Detects device proximity and screens calls, filtering spam and prioritising important contacts.
- Independently designed, built and shipped end-to-end.

Mann-Mitra — Student mental wellness platform. GitHub Live demo Devpost

JavaScript · React · Node.js

- React front end, Node.js back end, and real-time messaging for peer support.
- Mood tracking, community forums, an anonymous advice channel, and connection to mental-health resources.

MatriPixel-AI — Non-invasive anaemia detection. GitHub

Kotlin · Android · Computer Vision

- Machine learning analyses eye and nail-bed colouration to provide a health assessment without medical equipment.

SMAREET — Decentralised NFT event ticketing. GitHub Live demo

Algorand · NFT Smart Contracts · Blockchain

- Atomic swaps and multi-signature contracts for secure, transparent ticket transfers.
- Reduces counterfeit tickets and enables true digital ownership of event access.

The 2026 NeuroGolf Championship — Neural network optimisation (Kaggle). GitHub Kaggle

Python · Machine Learning · ONNX · Jupyter Notebook

- Optimised ONNX models for five tasks: Kronecker Product Fractal Dimension, Enclosed Region Filling, Vertical Periodic Pattern Extension, Sheered Shape Verticalization, and Pattern Completion & Replication.
- Jointly minimised parameter count and memory footprint while maintaining accuracy.

AI Agent Security — Multi-step tool attack analysis (Kaggle). GitHub Kaggle Devpost

Python · Machine Learning · Stockfish Engine · Jupyter Notebook

- Research-grade Attack Discovery Engine with a full Python translation of the Stockfish chess engine for deterministic offline benchmarking.
- Analysed attack paths that move agents from intended to unsafe actions via multi-step tool sequences, documenting the failure modes.

EXPERIENCE

Technical Head — Arunya Foundation (NGO) 2026 – Present · Remote

- Lead development of digital platforms supporting NGO operations and social outreach.
- Implemented automation tools that measurably reduce manual workload for the core team.
- Manage project timelines, delegate tasks, and align technical decisions with organisational goals.

PR Coordinator — Amity Coding Club Feb 2026 – Present · Gwalior

- Own end-to-end communication strategy and promotion for university coding events and hackathons.
- Coordinate between organising committees and 100+ student participants.

EDUCATION

Amity University Madhya Pradesh Aug 2024 – Jun 2027

BCA · Data Analytics (Minor Track) · CGPA 7.43

Coursework: Python, Data Structures & Algorithms, DBMS, AI/ML Fundamentals, Web Development, Data Analysis, Statistical Modelling

PM SHRI Kendriya Vidyalaya, Secunderabad 2019 – 2022

Class X: 85.6% · Class XII: 68.33% (PCB)

ACHIEVEMENTS

- **2nd Prize** — Safe Click 2.0 Cyber Security Hackathon, Gwalior Police (2026) — Presented at the Gwalior SP Office. LinkedIn post
- **3rd Prize** — ARIC 2025, IIITM ABV (2025) — AI Video Editing Tool. LinkedIn post
- **3rd Prize** — Article Writing Competition, IIT Kharagpur (2025) — "The Echo Chamber: Community-Led Marketing in the Digital Age" Entry
- **2nd Prize** — Amity Ideathon, Amity University (2026) LinkedIn post
- **2nd Prize** — Model Demonstration — National Science Day 2026, Amity University MP (2026) LinkedIn post
- Student App Challenge, Nothing Essential Lab (2026) — Selected for a 24-hour AI build challenge to design and publish a personal app. LinkedIn post

- Gemini Certified University Student, Google for Education (2026) — Valid Jan 2026 – Jan 2029. LinkedIn post