YASH KUMAR

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PROFESSIONAL SUMMARY

Full-stack developer with strong DSA skills, proficient in Python and JavaScript. Experienced in React, Next.js, Node.js, FastAPI, WebSockets, and AI systems using Google Agent Development Kit, CrewAI, and OpenAI SDK.

EDUCATION

Bachelor of Technology in Artificial Intelligence — Aug 2024 – May 2028
Newton School of Technology, Rishihood University — CGPA: 7.73/10.0

SKILLS

Programming:	Python, JavaScript, SQL, HTML, CSS
Frameworks/Libraries:	React, Next.js, Node.js, FastAPI, Express, Vite
Databases/Tools:	PostgreSQL, MySQL, MongoDB, Prisma ORM, Git, OpenCV
AI/ML:	OpenAI SDK, Google ADK(basics), scikit-learn(KNN classifier), NumPy, Pandas
Core:	Data Structures & Algorithms, OOP, WebSockets, OAuth 2.0, Web Scraping

PROJECTS

RouteGenie – Voice-Driven Real-Time Navigation System. [GitHub] [Demo]
Tech stack: Vite, ReactJS, FastAPI, WebSockets, Google ADK, Gemini Live API, Google Maps API

- Developed a fully voice-activated navigation platform enabling hands-free travel using Gemini Live streaming and instant map updates.
- Implemented real-time tool-calling workflows and context-aware dynamic routing on Google Maps.

Panne – Real-Time AI Collaboration Platform. [GitHub] [Demo]
Tech stack: ReactJS, Node.js, FastAPI, WebSockets, AI APIs

- Built Google Docs-like editor with live multi-user collaboration, presence tracking, and permission management.
- Integrated robust WebSocket syncing and AI-powered smart notes for secure, continual teamwork.

PricePulse – Automated E-Commerce Tracker. [GitHub] [Demo]
Tech stack: Scrapy, FastAPI, PostgreSQL, React, Google OAuth

- Developed SaaS platform for hourly Amazon price scraping and pricing history analytics dashborad with secure authentication.
- Automated actionable alerts and delivered a user-facing dashboard for visualizing price trends.

CERTIFICATIONS

AI Engineer Agentic Track – Udemy (Jul 2025): Practical multi-agent system development, orchestrating autonomous agents for workflow automation. [Certificate]

Alfaleus Tech Bootcamp (May 2025): Built and deployed production-grade web and automation projects in an intensive one-week engineering sprint. [Certificate]

Web Developer Bootcamp 2025 – Udemy (May 2024): Learned full-stack development fundamentals and built responsive web apps. [Certificate]

LEADERSHIP & ACHIEVEMENTS

Head Boy: Demonstrated leadership and organizational skills leading school initiatives.
Robotics Competition Winner: Secured first place in inter-school robotics event leading autonomous robot design.
Bronze Medalist – Zonal Basketball: Represented school, earning team bronze in zonal tournament.