

ASHISH KUMAR

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Professional Summary

Full-Stack Developer and Python Automation Expert currently pursuing a BCA. Highly focused on building production-ready web applications, intelligent automation tools, and scalable SaaS platforms. Proven ability to deliver end-to-end solutions, from hackathon-winning algorithmic dispatch systems to freelance e-commerce and automotive marketplaces. Available for internships and active collaborations.

Education

Bachelor of Computer Applications (BCA)

Expected Graduation: 2026

Relevant Coursework: Data Structures, Algorithms, Database Management Systems

Technical Skills

Languages/Backend: Python, Flask, REST APIs, WebSockets, System Architecture

Frontend: HTML5, CSS3, JavaScript, Tailwind CSS, React.js (Learning)

Databases: SQLite, PostgreSQL, MySQL, Database Design

Tools & Cloud: Git, GitHub, VS Code, Figma, Render, Netlify, Vercel

Technical Projects

LifeDrop Blood Donation Network | *Hackathon Project* | *Python, Flask, Socket.IO* **Live SaaS**

- Developed a real-time blood donation OS to solve critical delays in medical emergencies.
- Implemented algorithmic dispatch using Haversine distance and live WebSocket pings for geolocation tracking.
- Built a Hospital OS for global inventory sync and AI-powered regional demand prediction.

Hope Foundation NGO Platform | *Full-Stack, Razorpay, Canvas API* **Production**

- Built a transparent donation platform empowering specially-abled children with live fund tracking.
- Engineered automated, professional certificate generation and dynamic receipt rendering.
- Created a comprehensive Admin Workspace for content management and integrated an AI Support Chatbot.

byashish.online | *Personal Platform* **Production**

- Architected and deployed a centralized personal platform showcasing portfolio projects, metrics, and capabilities.
- Implemented modern UI/UX principles, 3D tilt effects, and real-time GitHub statistics integration.

Navya Jewellers E-Commerce | *Full-Stack, Authentication, Payments* **Production**

- Designed and deployed a full-stack e-commerce platform for a local jeweller handling real-world users.
- Engineered an admin dashboard for complete order lifecycle tracking and inventory management.

In.dl Instagram Downloader | *Flask, FFmpeg, Payment Gateway* **SaaS**

- Developed an Instagram media downloader SaaS utilizing a credit-based freemium model.
- Utilized FFmpeg for high-performance batch media processing and built secure user authentication.

Freelance Work & Desktop Applications

Baba Car Bazar | *Freelance Project* | *HTML, CSS, JavaScript* **Web**

- Developed a responsive automotive marketplace website enabling scalable car listings and optimal user browsing.

The Tongue Taste | *Freelance Project* | *Frontend Architecture* **Web**

- Designed a modern restaurant web presence with immersive food imagery and fluid CSS3 UI animations.

OBITO AI Personal Assistant | *Python, OpenCV* **Desktop App**

- Created a personal voice assistant featuring wake word detection, facial recognition, and system control mechanisms.

MadAsGalaxyClock & TimeJet | *Python, Tkinter, Weather API* **Desktop Widgets**

- Built visually rich desktop utilities including a sci-fi inspired arc reactor clock and a real-time weather widget.