Kanika Singhal

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SUMMARY

Results-driven Full Stack Developer with expertise in building scalable web apps, optimizing performance, and developing secure RESTful APIs. Skilled in DSA, backend architecture, and creating seamless, user-centric interfaces. Enthusiastic competitive programmer with a knack for impactful, efficient coding.

EDUCATION

- **Atal Bihari Vajpayee Indian Institute of Information Technology and Management** *Aug 2023- May 2027*
  Information Technology
  ◦ GPA: 8.9

- **Delhi Public School Ghaziabad** *Apr 2013- Feb 2023*
  Class 12
  ◦ Percentage: 95.2

PROJECTS

- **W3nity: A Web3-Powered All-in-One Tech Collaboration Platform** *May 2025*
  Tools: React.js, Node.js, Express.js, MongoDB, Solidity, Hardhat, WebSockets, NFT.Storage
  ◦ Built an all-in-one platform for freelancers, clients, and organizers with real-time chat, gigs, and project spaces.
  ◦ Enabled NFT-based ticketing using Solidity smart contracts and NFT.Storage for secure event access.
  ◦ Integrated realtime global chatrooms and project channels via WebSockets to boost collaboration.

- **KayzzKoffee: An Online Coffee Community and Exploration Platform** *Sep 2024*
  Tools: Node.js, Express.js, MongoDB, JavaScript, Tailwind CSS, Leaflet.js, JWT, WebSockets
  ◦ Designed and deployed a coffee shop locator with Leaflet.js, boosting user retention by 25% through accurate, dynamic mapping.
  ◦ Built a recipe-sharing module with reviews, driving a 40% increase in user engagement across 500+ active users.
  ◦ Developed an AI-powered Bitmoji customization tool, coffee trivia for user engagement.

PROFESSIONAL EXPERIENCE

- **CodeArena** *May 2025*
  Co-Op Intern @AlgoUniversity
  ◦ Built a microservices platform with real-time contest tracking, secure online judge, and internship management.
  ◦ Integrated AI agents via n8n and Relevance AI for code hints, follow-ups, and performance insights.
  ◦ Created AI-powered peer rooms with live coding, voice chat, and interactive collaboration features.

- **Hacknovate6.0** *Apr 2025*
  Full-Stack & Linux Systems Developer @ABES-IT
  ◦ Developed Hogwarts OS, a custom Linux Mint 21.3 distribution, built with electronJS and bash scripting.
  ◦ Integrated AI-powered features including the Daily Prophet (newsfeed), Marauder's Map (real-time tracker), Dumbledore AI chatbot (Akash Network), and a Potion Brewer Installer for guided software setup.
  ◦ Enhanced UX with a spell-based terminal, Quidditch game, and immersive UI featuring custom Harry Potter visuals, sounds, and themes.

- **SheHacks** *Dec 2023*
  Full-Stack Developer @IIIT Allahabad
  ◦ Built a website supporting pregnant women with personalized health recommendations using AI and ML models.
  ◦ Integrated a real-time chatbot for instant assistance and guidance, improving response efficiency.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, JavaScript, TypeScript, SQL
- **Web Technologies:** HTML, CSS, JavaScript, React.js, Next.js, Redux, Node.js, Express.js, TailwindCSS, WebSockets, GraphQL, RESTful APIs
- **Database Systems:** MongoDB, MySQL, PostgreSQL, Firebase Realtime Database
- **DevOps & Cloud:** AWS (EC2, S3, Lambda, RDS), Azure Virtual Machines, Azure Container Instances (ACI), Docker, GitHub Actions, Firebase Hosting, Vercel, Netlify, Linux, Shell Scripting
- **Other Tools & Technologies:** Figma, Canva, Photoshop, Adobe Illustrator, Postman, Swagger, UI/UX Design

ACHIEVEMENTS AND CERTIFICATIONS

- ATF Fellowship (AlgoUniversity, Mar 2025) – Top 70 nationwide, awarded 1L+ scholarship.
- AAKRITI Winner (ABV-IIITM, Jun 2024) – Developed winning Cultural Fest app.
- Head of Content, GDGOnCampus (ABV-IIITM, Aug 2024) – Led content and event initiatives.
- Won a prize pool of 200$ in Hacknovate6.0 organised by ABES-IT Engineering college, Ghaziabad.
- Solved 800+ DSA questions across platforms; **Knight** on LeetCode and **1745-rated** on CodeChef.