ANKIT KUMAR

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PROFESSIONAL SUMMARY

Passionate Software Engineering undergraduate with a strong foundation in building scalable web and mobile applications. I have a knack for solving complex technical problems, from optimizing backend latency to designing intuitive user interfaces. With recognized success in national hackathons (SIH, MSME), I thrive in collaborative environments where I can leverage my skills in Web and mobile development and AI integration to deliver high-quality, efficient software solutions.

EDUCATION

Degree / Board	Institute / School	CGPA / %	Year
B.Tech (CSE)	Institute of Technical Education and Research (ITER)	8.39	2023–2027
ISC (Class XII)	Gulmohar High School	75.4%	2021–2023
ICSE (Class X)	Vig English School	74.5%	2009-2021

EXPERIENCE

Fastpeer AI Corp   Dec 2025 – Mar 2026
Software Developer Intern   *Remote, USA* | ⧉ *Live*

– **Problem**: Users experienced high latency during real-time voice calls and unstable connections in chat sessions.
– **Solution**: Engineered a high-performance backend using **Python** with asynchronous processing and migrated legacy polling to persistent **WebSocket** connections.
– **Contribution**: Achieved sub-200ms latency for real-time interactions, stabilized data streaming for 500+ concurrent users, and ensured 99.9% system uptime.

Gehna Mall   Jun 2025 – Sep 2025
App Development Intern   *Remote, India* | ⧉ *Live*

– **Problem**: The application suffered from memory leaks and UI lag due to a monolithic code structure.
– **Solution**: Decoupled the UI from business logic by implementing the **BLoC architecture** and integrated efficient image caching libraries.
– **Contribution**: Reduced memory usage by 30%, improved scroll smoothness to 60fps, and significantly accelerated the "Add to Cart" user flow.

Hykit Care Pvt. Ltd.   Jan 2025 – Feb 2025
Web Developer Intern   *Remote, India* | ⧉ *Live*

– **Problem**: Development was slowed by inconsistent UI components and slow database retrieval times.
– **Solution**: Developed a reusable **React.js** component library and optimized **MySQL** queries with proper indexing strategies.
– **Contribution**: Standardized the platform's design system, reduced page load times by **40%**, and ensured data integrity across patient records.

Aveti Learning Pvt. Ltd.   Nov 2024 – Jan 2025
IT Intern   *Hybrid, Bhubaneswar*

– **Problem**: Instructors spent excessive time manually compiling reports from disparate data sources.
– **Solution**: Built automated **Python scripts** using Pandas for data aggregation and generated formatted PDF reports programmatically.
– **Contribution**: Eliminated manual entry errors and automated 500+ weekly reports, saving the team **15+ hours** per week.

PROJECTS

Smart Bloom ⧉ | *IoT, C++, Python*
– Engineered an autonomous rover with **Edge Computing** capabilities using ESP32-CAM and WebSockets.
– Optimized **Computer Vision models** for real-time disease detection, achieving **<200ms** inference time.

Code Zen ⧉ | *React.js, Node.js, GenAI*
– Built a secure, **sandboxed execution environment** for compiling code in multiple languages securely.
– Integrated **LLM APIs** for intelligent debugging, reducing user error resolution time by **40%**.

Silent Speak ⧉ | *React, Flutter, Firebase*
– Architected an accessibility tool with custom **gesture recognition** algorithms for the speech-impaired.
– Implemented optimized **MYSQL data listeners** for instant cross-device Morse-to-Text synchronization.

Swift Relief ⧉ | *Python, Next.js, Cloud*
– Designed a geospatial alert system utilizing **Google Maps API** for optimal disaster routing.
– Deployed **Serverless Cloud Functions** to handle high-concurrency notification triggers.

TECHNICAL SKILLS

Languages: Java, Python, C++, Dart, JavaScript, SQL
Frameworks: Flutter, Next.js, React.js, NumPy, Pandas, Scikit-learn, OpenCV
Backend & Database: REST APIs, WebSockets, Firebase, MySQL, SQLite
Machine Learning: Supervised Learning, Model Training, Edge AI, GenAI Integration
Developer Tool: Git, GitHub, Linux, VS Code, Android Studio
CS Fundamentals: Data Structures & Algorithms, OOPs, DBMS, Operating Systems

ACHIEVEMENTS & CERTIFICATIONS

• **National Winner**: MSME IDEA Hackathon 4.0 (Govt. of India) - Awarded for innovation.
• **Runner-Up**: Smart India Hackathon (SIH 2025) - Grand Finale Finalist.
• **Winner**: Odisha AI Symposium (State Lvl) & TECHNOV8 Competition.
• **Winner**: Advaita Invento Expo (IIIT-Bh) - Best Project Award.
• **Open Source**: GSSoC Project Admin & Hacktoberfest Contributor.

• **Oracle Certified**: GenAI Professional (OCI 2025).
• **HackerRank**: Software Engineer (Problem Solving) Verified.
• **CipherSchools**: Deep Learning Specialization Completed.
• **Udemy**: Java DSA Masterclass Bootcamp Completed.
• **Award** : 5x Google Cloud Champion & StudyJam Winner .