Chirag Aggarwal

Bachelor of Technology, Computer Science (AI Specialization)
Bennett University, Greater Noida
✉ chiragaggarwal5k@gmail.com

📞 +91-9667658415
�ن� github.com/chiragagg5k
in linkedin.com/in/chiragagg5k
🌐 chiragaggarwal.tech

EXPERIENCE

- **Backend Developer Intern** *Jul 2024 - Sep 2024*
  Skillarena Greater Noida
  - Led backend development using Node.js and Express.js, implementing microservices architecture that reduced API response time by 45% and improved scalability
  - Engineered a real-time messaging system using WebSockets and FastAPI, handling concurrent connections with 99.9% uptime
  - Implemented comprehensive API documentation and testing protocols, reducing bug reports by 40%
- **Full Stack Developer Intern** *Oct 2023 - Dec 2023*
  Clearmind AI Remote
  - Spearheaded development of key features using Next.js and TypeScript, resulting in 40% faster page load times and 15% increase in user retention
  - Architected and orchestrated Stripe payment integration with 99.8% transaction success rate, processing 50K+ in monthly transactions
  - Architected automated testing suite reducing QA time by 60% and maintaining 95% code coverage

PERSONAL PROJECTS

- **Asclepius - Healthcare Management System** *GitHub*
  Python, SQLite, Custom Tkinter

  - Engineered a desktop application processing 1000+ daily medical records with 99.9% data accuracy
  - Implemented role-based access control system supporting 50+ concurrent administrative users
  - Designed inventory management system reducing medicine stockout incidents by 75%
- **Cal Buddy - AI Calendar Assistant** *Live Demo | Github*
  TypeScript, Next.js, CopilotKit, LLama3.2

  - Built scalable calendar application serving 500+ daily active users with real-time updates
  - Integrated LLama3.2 for smart scheduling, reducing meeting planning time by 60%
  - Engineered REST API handling 100K+ daily requests with average response time under 100ms
- **Suraksha AI - Intelligent Surveillance System** *GitHub*
  Python, Flask, Firebase, YOLOv11

  - Developed ML-powered security system achieving 95% accuracy in threat detection
  - Built real-time video processing pipeline handling 30+ FPS with edge computing
  - Created dashboard with Chart.js visualizing security metrics and reducing response time by 40%

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence)** *2022-26*
  Bennett University, Greater Noida CGPA: 9.71

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, C++, Rust, Go, Java
Frontend: React.js, Next.js, Svelte, Vue.js, HTML5/CSS3, Redux, Tailwind
Backend: Node.js, Express.js, Django, FastAPI, GraphQL, WebSocket
Databases: PostgreSQL, MongoDB, Redis, Firebase, Prisma ORM
DevOps & Tools: Docker, Git, GitHub Actions, AWS, Postman, Jest
AI/ML: TensorFlow, PyTorch, Pandas, NumPy, YOLO, Attention Mechanisms

LEADERSHIP

- **Technical Head** - Computer Society of India,
  Led 1000+ participant hackathon and mentored 20+ junior developers *Sep 2023 - May 2024*

- **Research Team Lead** - Bennett Undergraduate Research Society,
  Led CRM research team and organized Rescon conference (500+ participants) *Nov 2022 - Sep 2023*

ACHIEVEMENTS & CERTIFICATIONS

Awards: Dean's List (9.86 SGPA), DevFest'24 winner (Global OS Hackathon)
Certifications: Google IT Support, CISCO Cybersecurity, Postman API Expert, FPT University Summer Immersion Participant