Chirag Aggarwal

Bachelor of Technology CSE
Bennett University, Greater Noida
✉ chiragaggarwal5k@gmail.com

📞 +91-9667658415
⦿ GitHub Profile
in LinkedIn Profile
🌐 https://www.chiragaggarwal.tech/

EXPERIENCE

- **Backend Developer** *Jul 2024 - Sep 2024*
  Skillarena Greater Noida
  - Developed and maintained core backend systems for mobile and web applications using Node.js and Express.js, improving overall application performance by 30%
  - Designed and implemented a real-time chat application backend utilizing WebSockets and FastAPI (Python), resulting in a 50% increase in user engagement

- **Next.js Developer Intern** *Oct - Dec 2023*
  Clearmind AI Remote
  - Analyzed and implemented 75% user feedback suggestions, leading to a 15% increase in user satisfaction ratings and a 20% increase in page visits.
  - Integrated Stripe payment gateway, increasing online transactions by 30% and reducing checkout abandonment by 25%.
  - Resolved 50+ monthly software bugs, improving system stability by 40% and reducing support tickets by 35%.

PERSONAL PROJECTS

- **Asclepius** *GitHub*
  A desktop-based medical record management system for University Health Centers

  - Implemented functionalities to view, check availability, and order medicines from the University's Wellness Center.
  - Used Custom Tkinter for creating user interfaces and SQLite for database management.
  - Technology Used: Python, Custom Tkinter, SQLite.

- **Cal Buddy** *Live Demo | Github*
  A smart calendar allowing you to schedule, manage, and remind dates and tasks with prompts.

  - Created a seamless user interface that combines calendar views with chat functionality, resulting in a 25% increase in user engagement in the first week of launch.
  - Developed a RESTful API for seamless integration with popular productivity tools and third-party applications.
  - Technology Used: TypeScript, Next.js, CopilotKit, LLama3.2

- **Suraksha AI** *GitHub*
  An AI-powered real-time Home Security and Surveillance Monitoring System

  - Designed and deployed an AI-based security platform with sophisticated video analysis and threat detection; increased incident identification accuracy by 50% and cut monitoring costs by 25%
  - Technology Used: Python, Flask, Firebase, Chart.js, Yolov11, Attention Mechanisms

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence)** *2022-26*
  Bennett University, Greater Noida CGPA: 9.71
- **Class XII, CBSE** *2022*
  Bharti Public School, New Delhi Percentage: 89.5%
- **Class X, CBSE** *2020*
  Bharti Public School, New Delhi Percentage: 91.2%

TECHNICAL SKILLS

Languages: C/C++, Python, Java, Javascript, Typescript, HTML, CSS, Rust, Go
Libraries: React.js, Pandas, Tensorflow, Numpy, Mediapipe, PyTorch, Keras, Redux, Lodash
Web-Dev Tools: VScode, Git, Github, Github Actions, Docker
Frameworks: Next.js, Flask, Django, Svelte, Vue.js, Gatsby, FastAPI
Databases: MongoDB, Firebase, MySQL, PostgreSQL, Prisma ORM, Redis, GraphQL

POSITIONS OF RESPONSIBILITY

- **Technical Co-Head** Computer Society of India Bennett University, Greater Noida   *Sep 2023 - May 2024*
  - Revamped and maintained the organization's website, increasing user engagement by 40% and reducing page load times by 25%
  - Organized Delhi NCR's biggest hackathon, achieving over 1000 registrations.

- **Core Team Member** Bennett Undergraduate Research Society (BURS)   *Nov 2022 - Sep 2023*
  - Collaborated on 3 interdisciplinary research papers, contributing to literature reviews and data analysis
  - Organized RESCON, Bennett University's largest research event, attracting over 500+ participants and research presentations from various institutions

ACHIEVEMENTS

- **Dean's List award** Recognition for academic excellence by achieving a 9.86 semester GPA   *Apr 2024*

CERTIFICATIONS

- Google IT Support Professional Certificate	Google	Jan 2023
- CS403: Introduction to Modern Database Systems	Saylor Academy	Oct 2023
- Introduction To Cybersecurity	CISCO	Jun 2024
- Postman API Fundamentals Student Expert	Postman	Sep 2024