Sugato Bagchi

Linkedin: linkedin.com/in/sugatobagchi
Github: github.com/sugatobagchi

Email: sugato.bagchi.of@gmail.com
Mobile: +91-629-1322-540

EDUCATION

- **Dr. Sudhir Chandra Sur Institute of Technology** — Kolkata, India
  Bachelor of Technology - Computer Science and Engineering — *Sept 2020 - Jul 2024*
  CGPA: 8.76

SKILLS SUMMARY

- **Languages**: JavaScript, Python, Java
- **Frameworks**: Node.js, Express.js, Prisma, Fast API, React.js
- **Platforms**: Redis, Firebase, GIT, Google Cloud Platform
- **Databases**: PostgreSQL, Firestore, MongoDB
- **Soft Skills**: Public Speaking, Leadership, Event Management, Writing, Teamwork

EXPERIENCE

- **Lenspost** — Bengaluru, India
  Backend Developer Intern (Internship) — *Oct 2023 - May 2024*
  - **Database Query Optimization**: Enhanced query performance, reducing response time from **5 seconds** to **150 milliseconds**.
  - **Global User System Optimization**: Implemented caching strategies and optimizations, achieving significant performance improvements for **15,000+** users worldwide
  - **Custom Discord Bot Implementation**: Developed and deployed a customized bot for **500+** users, integrating seamlessly with production systems.

- **Persistent Systems** — Remote
  Summer Intern (Internship) — *Jun 2023 - Aug 2023*
  - **Technical Training**: Attended immersive technical training in Linux, Data Structures, Algorithms, and Database Management Systems (DBMS) with **100%** completion
  - **Top Performer**: Achieved a perfect score in Online Assessment (OA), ranking among the **top 10** out of **1000+** candidates.
  - **Recognition**: Recognized as the sole individual to pass the final assessment among **250+** students.

PROJECTS

- **Electri (Python, YOLO, PaddleOCR, FastAPI, Next.js)**: Built a project using **YOLOv11** and PaddleOCR to identify cars, detect EV vehicles, and extract license plates, achieving over **80%** accuracy in combined detection. Link

- **QueryGPT (Python, Ollama, phi3, langchain, streamlit, chromadb)**: Developed a Chatbot tool using Retrieval Augmented Generation (RAG) for accurate answers from user-uploaded PDFs. Incorporates the **phi3** model, embeddings for efficient search, and chromadb for vector storage. Link

- **Connecten (Flutter, React, Firebase, Firestore, Blockchain, Vercel)**: Mobile app for seamless sharing of social links and connection building with nearby people, even offline. Integrated business model and marketplace features. Won **5+ hackathons** across India.

- **StockCastery (React, Python, Keras, Vercel)**: Created a Fintech project leveraging machine learning for cryptocurrency watch, tracking, and prediction. Selected as **top 10** project at **Google Cloud Community Days 2022, Kolkata**.

HONORS AND AWARDS

- **Innerve 7.0: 2nd** runners-up (main track) and **1st** prize (5ireChain track) out of **550+** teams.

- **HackNITR 4.0: 1st** prize in the Solana track, finalist among **330+** teams.

- **CIEM Celsius Hackathon: 1st** prize in the main track against **60+** teams.

- **Google Developer Group Cloud Kolkata Hack Day:** Ranked **6th** out of **50+** teams.

- **JIS Idea-O-Meter Award:** Received **INR 50,000** funding for best startup idea.

VOLUNTEER EXPERIENCE

- **Mentor at Various Hackathon** — India
  *Hackathon mentor including HackNITR 5.0, OpinHacks - Guiding **500+** students.* — *Jan 2023 - Present*

- **Google Developers Group Cloud** — Kolkata, India
  *Hosted largest DevCon of India with **2800+** attendees, and **10000+** community members.* — *Jan 2023 - Present*

- **Community Lead at Developer Student Clubs SurTech** — Kolkata, India
  *Conducted online and offline technical training impacting over **500** students.* — *Aug 2023 - Jun 2024*

- **Content Lead at Hack4Bengal** — Kolkata, India
  *Hosted Eastern India's largest hackathon with **550+** participants across the country.* — *Aug 2022 - Oct 2023*