Chirag Goyal

iOS/Android App Development | NLP Researcher | Competitive Programmer

📞 +91-8829898937 ✉ cgoy96@iiitmanipur.ac.in in Linkedin ⌂ Github 🏆 CodeChef

Experience

WorldQuant LLC	**June 2023 - Sept 2023**
Research Consultant	*Remote*

- **Developed Algorithmic Trading Strategies:** Created sophisticated Alphas by analyzing historical data and applying mathematical models.
- **Performance Evaluation:** Assessed and rated Alphas based on performance metrics for accuracy and profitability.

Education

Indian Institute of Information Technology, Senapati	**Nov. 2022 – May. 2026**
Bachelor of Technology in Computer Science; CPI: 7.78	*Imphal, Manipur*

Courses: Data Structures & Algorithms, Artificial Intelligence, Computer Network, Information Retrieval, Operating System, Natural Language Processing, Machine Learning

Projects

Understanding Family Relation Reasoning Problems | *Python, NLP, Graph, AI* ⌂ **Jan. 2025 – Mar. 2025**

- Developed an AI-powered solution in **Python** to extract and analyze family relations from text-based reasoning problems.
- Implemented **NLP techniques** and **graph theory** to construct dynamic family trees with accurate relationships.
- Achieved high accuracy in parsing complex family structures and improved reasoning-based dataset interpretation.

Rasoda | *Flutter, Dart, Firebase, Play Store, App Store* Ⓐ ⌂ **Jan. 2025 – Mar. 2025**

- Built with **Flutter** and **Dart**, ensuring a smooth cross-platform experience with 700+ downloads.
- Features include recipe management, grocery tracking, and personalized meal planning wit payment integration with a success rate of **99%**.
- Uses **Firebase**, **PHP** for authentication, cloud storage, and real-time updates.

NavSarjan - Innovating Startups & Research | *React, Node.js, MongoDB* 🌐 ⌂ **Oct. 2024 – Dec. 2024**

- Developed for **200+ institutions** in Gujarat, centralizing research, IPR, and start-up management to enhance efficiency.
- Improved transparency and decision-making with **real-time analytics**, resulting in a **30% boost** in resource utilization.

Database Query Convertor | *Dr. Navanath* | *Database Management, Regex, Javascript* ⌂ **Jul. 2023 – Dec. 2024**

- **Support**: A inter translation between MySQL, PostgreSQL, GraphQL, MongoDB, XML, XQuery queries
- **Efficiency**: Performed better than LLM models with a accuracy of 88% and better than all previous existing versions.

Skills

- **Languages:** Proficient in C++, JavaScript, C, TypeScript, SQL, Bash, Python, PHP, HTML+CSS
- **Frameworks & Libraries:** Tailwind CSS, React.js, Node.js, Next.js, Express.js, Flask, Redux, STL, Axios, shadcn UI
- **Databases & Tools:** MySQL, SQLite, MongoDB, Git, GitHub, IntelliJ, Postman, Apache
- **Exposure:** LaTeX, MySQL Workbench, NI Multisim, Octave, Bootstrap, Wireshark, Linux, JWT

Achievements

- Winner of **Smart India Hackathon 2024 (SIH'24)** organized at IIT Gandhinagar.	*Dec. 2024*
- Secured **Rank 1** in the **GDG Manipur Hackathon**, organized by Google Developer Groups.	*Mar. 2025*
- Qualified **JEE Advanced 2022** with an **All India Rank (AIR) of 27k**.	*2022*
- Secured **AIR 60k** in **JEE Mains 2022**, placing in the top percentile of candidates.	*2022*
- Achieved a **CodeChef rating of 1671**, demonstrating strong competitive programming skills. 🔗	*2025*

Position of Responsibility

IIT Manipur	**Manipur**
Mess Secretary	*Jan 2024 - May 2024*

- Managed inventory, budgeting, and scheduling; fostered a safe, welcoming dining environment; ensured operational excellence.