ARYAN DALAL

📞 +91-8652207970 ✉ aryan.d.dalal@gmail.com 🔗 Website 🔗 linkedin ⌂ github.com/spicybeanos

Education

Manipal Institute of Technology   **Aug. 2022 – May 2026**
B-Tech in Computer Science and Engineering   *Bengaluru, KA*

Experience

Nuvama wealth   **June 2024 – July 2024**
Application Developer Intern   *Mumbai, MH*
- Built a DotNET script to fetch data from a paid third-party API and cache it locally to avoid repeated expensive calls.
- Cleaned and formatted inconsistent API responses, storing them in structured files for efficient access.

Tech Solstice Tech-fest   **Feb 2025 – April 2025**
Technical Head   *Bengaluru, KA*
- Lead development of an engaging, cyberpunk-themed website and Android app for the fest using SvelteKit and React Native.
- Managed a team of 5 devs using GitHub for version control, task delegation, and rapid iteration.
- Integrated Supabase for user/event management and Google Login API for secure authentication.
- Deployed via Vercel, collaborated with designers, and ensured real-time control panel for dynamic updates.

BizDateUp   **Jun 2025 – Aug 2025**
Fullstack Intern   *Mumbai, MH*
- Developed a KPI Management System with React, Express, Supabase, PostgreSQL, and Prisma, enabling HR-defined KPIs, employee reporting, and manager performance reviews.
- Built interactive dashboards (bar, line, pie) and a compliance tracking app (React + FastAPI) with role-based access, JWT authentication, and scalable backend APIs.

Projects

Compiler for custom language badger-script in rust | *Rust, Cargo*   **March 2025**
- Built a modular compiler for a custom scripting language featuring tokenizer, parser, AST, symbol table, bytecode generator, and interpreter.
- Implemented references/pointers, compile-time evaluation, custom operators, and debugging utilities, with extensible grammar for new features.
- Designed a full compilation pipeline (lexing → parsing → semantic analysis → IR/bytecode → execution) with test scripts, IR validation, and cross-platform support.

Customer Churn Analysis Prediction | *Python, Pandas, Matplotlib, Seaborn*   **Sept 2025**
- Analyzed the Telco Customer Churn dataset to identify key factors influencing customer attrition.
- Built random forest model in Python (Pandas, Scikit-learn, Matplotlib) to predict churn with improved accuracy.

911 Emergency Call Ananlysis | *Python, Pandas, Matplotlib, Seaborn*   **Sept 2025**
- Analyzed 260K+ Montgomery County 911 calls to identify top zip codes, busiest townships, and emergency trends by day/month/reason.
- Visualized call patterns with Matplotlib/Seaborn and created actionable insights for better resource allocation and emergency response planning.

ObjectByteConverter – C# Serialization Library | *C#*   **March 2023**
- Designed a custom binary serialization/deserialization library supporting primitives, compound objects, self-referencing structures (e.g. linked lists), and one-dimensional arrays with configurable metadata (encoding, class ID types, etc.).
- Implemented serializers/deserializers for integers, floats, strings , and user-defined types using a metadata-driven format for extensibility and cross-compatibility.

Certificates

Applied Data Analytics with Python and SQL | *Python, Pandas, Seaborn, matplotlib*   **Coursera, Sept 2025**

Technical Skills

Languages: C#, Rust, Java, C, HTML/CSS, JavaScript, TypeScript, SQL
Technologies/Frameworks: GitHub, SupaBase, Vercel, React, React-native, Svelte, SvelteKit, Nextjs, ExpressJs, NodeJs, Prisma, Axios