Aryan Dalal

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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*
- Developed a service to automatically record and store expensive API requests from 3rd party using DotNET framework.
- Made an interactive React web-page to view the information stored by the API

Tech Solstice Tech-fest **Feb 2025 – April 2025**
Technical Head *Bengaluru, KA*
- In charge of designing, developing, maintaining and deploying an interactive ,eye-catching ,fun and ergonomic website for the tech-fest.
- Lead a team of 5 front-end devs and used GitHub to organize modifications and assign tasks.
- Developed a mobile application for Android using the react-native framework for organizers to verify users.
- Worked with Supabase to manage the content on the website, user data such as teams registered in an event, record of pass purchases.
- Worked with Vercel to deploy the website, roll back on failed deployments and key insights about web traffic.
- Collaborated with the design team to define the general vibe of the website and with other vice-heads to deliver key business and organizing problems.

Projects

Solstice Website | *Svelte, SvelteKit, typescript, Node.js, javascript, Supabase, Vercel* **Feb 2025**
- Developed the one-stop eye-catching cyberpunk website for my college's annual tech fest, responsible for handling requests and data for over ten thousand users.
- Website handles event registrations, pass purchases, advertisements of talk and workshops as well as a ticket system to solve custom user requests and queries, eliminating the need of a physical desk to solve queries.
- Website included a control panel for organizers to change content on the website, eliminating any IT intervention.
- Used google log in API to ensure a secure, convenient and trusted log in system, eliminating the burden of storing passwords and verifying emails.
- Assigned a static QR (which can be screenshot and kept) to each user that register to streamline and speed up user verification by scanning the QR on the solstice verifier app instead of manual typing.

Solsticce verifier app | *Expo, React-native, tsx* **April 2025**
- Created an Android application using expo react-native to quickly get user info including the pass purchase
- Processed user ticket-cutting when distributing bands for reserved events, ensuring that a user cannot obtain more than one band.
- Utilized expo react-native and the expo camera to quickly scan QR codes and check with the website about the user's status, cutting down event entry proccessing by 65%.

Compiler in rust for badger-script | *Rust* **March 2025**
- Designed a compiler made in the rust programming language for a custom programming language called badger-script
- Used rust because it guarantees memory safety at compile time and compiles directly to machine code, making it fast- just what is needed for a compielr.
- Compiled to custom byte code to allow execution to any platform, proccessor and operating system
- Implemented an interpreter too to run the badger-scripts so that users can test their scripts before compiling them to byte code.

Technical Skills

Languages: C#, Rust, Java, C, HTML/CSS, JavaScript, TypeScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform
Technologies/Frameworks: GitHub, SupaBase, Vercel, React, React-native, Svelte, SvelteKit

Leadership / Extracurricular

Codex **Aug 2022 - Aug 2023**
Game Development Head *MIT Bengaluru*
- Managed 3 separate teams that were making games
- Held tutorials about game development in unity and 3D modeling in blender.