

Abdullah Ejaz

Islamabad, Pakistan | +92 306 1663177 | hello@abdullahejaz.dev | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

BS in Computer Science (6th Semester)

CGPA: 3.66 - National University of Sciences and Technology (NUST) – Islamabad

EXPERIENCE

DevDen

Programming Intern

Faisalabad, Pakistan

June 2022–August 2022

- Built & Deployed React based webpages for modules of a larger website. Worked on wireframing, UI/UX Design.

PROJECTS

SmogPenalty – Power Loss Predictor (*Full Stack ML Project*).

- Built a web app to showcase and visualize power generated per square meter at any given location using hybrid of LGBM & Log-Transformed LinearReg models.
- Stack: **Typescript, Next.js, FAST API, Python (Scikit-Learn, Plotly)**.
- Trained on a 3-year span of data of multiple solar grids from varying climate areas In the US and Australia.
- Uses NASA POWER API, OpenAQ API and self-trained ML Models to predict loss of power due to harsh weather conditions.

Islamabad CrimeVision Platform – www.crimevision.live

A city-wide crime analysis (Full Stack) web application.

- Developed a **backend server** with **Node.js** and **Express.js**. Integrated **PostgreSQL** database from Supabase, **MongoDB** from mongodbatlas, **Redis** deployed on upstash.
- Designed **Normalized Database schema** in supabase, Integrated and used Supabase **Authentication and Authorization**.
- Deployed Frontend on **Vercel**, backend on **Render**; **Configured Domain** name using name.com.

TheAnnoyingTraps – AI Based Game

Game built on basic Artificial Intelligence concepts.

- Built a **Pygame** based game that learns as the user plays it, dodging adversaries to move to winning point.
- Enforces **Procedural Content Generation, CSPs, Reinforcement Learning, Genetic Algorithm, and Fuzzy Logic**.

SKILLS & COMPLETIONS

- Proficient in **TypeScript, JavaScript, MERN, Next.js, Python**.
- Confident in training & testing **ML Models, Data Analysis** via Python Libraries (Scikit-Learn, matplotlib, Plotly)
- Experience in UI/UX Design & Graphic Designing with **Figma, Photoshop** & Testing using **Maze**.
- Skilled in designing and integrating databases including **PostgreSQL, MongoDB, MySQL, Redis, and Supabase**.
- Confident in using **Git, GitHub & Postman/Thunderclient**.
- Key Courses Completed: **Machine Learning Specialization (3-Course)** by AndrewNG, **UI/UX Design Fundamentals - Google**