

## KIRO D. BASANAL

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### OBJECTIVE

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To gain valuable experience and further develop my skills for personal and professional growth. In return, I am eager to contribute my efforts and dedication to be a valuable asset to your company during my on-the-job training (OJT).

### TECHNICAL SKILLS

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- **Languages:** JavaScript, Python (Django), **PHP**, HTML, CSS, C#
- **Frontend:** React, Tailwind CSS
- **Backend & Cloud:** FastAPI, Django, Firebase (Auth, Database)
- **Tools & DevOps:** GitHub (Version Control), Figma (UI/UX), Arduino, AI Integration

### PROJECTS

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- **Port Congestion Management**
  - Co-developed a full-stack port congestion management platform to visualize vessel traffic, port layouts, and congestion levels in a 3D environment.
  - Built the frontend using **Unity**, implementing a grid-based placement system and real-time port visualization.
  - Integrated **Firebase** for authentication, real-time database management, and role-based access control for admin and user features.
  - Developed a Windows desktop application version to support operational monitoring and management.
- **ShareSpace Booking System (React, Firebase)**
  - Developed a real-time room reservation platform allowing users to book and manage shared spaces.
  - Integrated **Firebase Authentication** for secure logins and used Cloud Firestore for real-time data updates to prevent double-bookings.
- **Campus Quest**
  - Designed and developed an interactive **3D campus navigation game** using **Three.js**, enabling students to locate and explore campus areas virtually.

- Mapped each campus location to its corresponding **college/department**, transforming navigation into an engaging **quiz-based gameplay experience**.
- Improved student familiarity with the campus layout through **gamification, interactivity, and real-time 3D visualization**.
- **Student Affair Office (SAO) System (Django, Python)**
  - Collaborated on a backend system using **Django** to streamline student record management and office services for the university.

## **EDUCATIONAL ATTAINMENT**

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### **TERTIARY:**

**Cebu Technological University – Argao Campus** Bachelor of Science in Information Technology 2022 – 2026

### **SECONDARY:**

**Carcar Central National High School** Senior High School 2020 – 2022