**Design System Template: Ghostly Ember / Deep Void**

**1. Color Palette: "Ghostly Ember & Deep Void"**

**Primary Background**

* **Base Gradient:** Black → Dark Charcoal
  + HEX: #0F0F12 → #1A1A1D
  + Effect: Feels infinite, evokes cosmic space depth.
  + Usage: Global app background, large containers, dashboards.

**Main Accent – "Quantum Ember"**

* Electric Blue-Violet → Radiant Magenta
  + HEX Options:
    - Electric Blue-Violet: #7B29B8
    - Radiant Magenta: #C129A0
  + Usage: Key interactive states (active nav items, primary buttons, highlighted data).
  + Style: Controlled neon flame (powerful but not chaotic).

**Secondary Accent – "Stabilizer Beam"**

* Cyan → Lime Green
  + HEX Options:
    - Cyan: #29B8B0
    - Lime: #B8C129
  + Usage: Secondary indicators, supporting charts, contrast creation.

**Text & Highlight**

* **Primary Text:** Pure White #FFFFFF
* **Inactive / Subtle Text & Gridlines:** Light Transparent Grey #FFFFFF33
* Usage:
  + White → body text, headings, active labels.
  + Transparent grey → divider lines, inactive states.

**2. Typography: Technical & Ultra-Modern**

**Headings (H1, Key Data Points)**

* Fonts: "Space Mono", "Fragment Mono", "DM Mono"
* Style: **All Caps + Letter-Spacing (2–4px)**
* Weight: Medium–Bold
* Usage: Titles, critical data, dashboard sections.

**Sub-Headings / Labels**

* Fonts: "Oxanium", "Rajdhani", "Orbitron"
* Style: Slightly condensed, futuristic flair.
* Usage: Chart labels, widget headers, section indicators.

**Body & Data Text**

* Fonts: "Inter", "Open Sans" (Light–Regular weight)
* Style: Clean, readable, modern.
* Usage: Paragraphs, data tables, tooltips.

**3. Layout & Structure: Dynamic Grid & Depth**

**Grid System**

* Invisible snapping grid with **16px–24px spacing**.
* Subtle **geometric background patterns** (triangles, hexagons, or diagonal lines).

**Depth & Layers**

* Containers feature **multi-layered backgrounds**:
  + Faint glowing grid pattern.
  + Soft gradient fades for holographic depth.
  + Optional glitch/static textures for inactive states.

**Proportions**

* Content blocks are **fluid & adaptive**.
* Layout avoids clutter → **40–60% whitespace balance**.

**Edge Treatments**

* Thin (1px) borders in **accent color**, giving **holographic outline effect**.
* Rounded corners: **8px–12px** for cards.

**4. UI Elements: Luminous & Interactive**

**Cards / Widgets**

* **Active:** Darker than background + thin accent border + soft inner glow.
* **Inactive:** Flat dark grey, minimal visibility.
* **Texture:** Optional faint scanlines / data stream background.
* **Hover State:** Subtle accent glow pulse.

**Graphs & Charts**

* **Line Graphs:** Thin neon beams with glow/trail effects.
* **Bar Charts:** Semi-transparent light columns rising from baseline.
* **Area Charts:** Smoky gradients of accent color, visualizing uncertainty.
* **Labels:** Minimal; revealed on hover.

**Navigation**

* **Layout:** Vertical sidebar, left-aligned.
* **Icons:** Circuit-board style, white by default.
* **Active State:** Icon + label glow in main accent color with underline/side-line.
* **Hover State:** Text labels fade in beside icons.

**Buttons**

* **Default:** Transparent dark background + glowing accent border.
* **Hover:** Fills softly with accent glow or animated inner shine.
* **Active:** Slight pulse effect, text shifts to accent color.

**Inputs**

* **Default:** Dark, nearly invisible.
* **Focused:** Accent-colored glowing border animates in.

**5. Motion & Animations (Subtle & Functional)**

* **Pulsing Metrics:** Key numbers pulse softly every 2–3s.
* **Hover Glow:** Buttons, cards, and nav icons gain a faint glow.
* **Background Animation:** Very subtle slow-moving “data flow” or parallax grid.
* **Loading/Refresh:** Quick glitch effect (scanline flicker, holographic distortion).