

## **Website Specification: NVIDIA Pulse**

NVIDIA Pulse is a dynamic platform showcasing NVIDIA's latest GPU products, developer resources, and community insights. The site aims to serve both enthusiasts and professionals by offering up-to-date product information, performance benchmarks, and hands-on tutorials for leveraging NVIDIA hardware in AI and graphics applications. Users can explore a comprehensive product catalog, filter by specs or use-case, and compare different models' side by side. The Developers section provides SDK downloads, code samples, and best practice guides to integrate NVIDIA technologies seamlessly. A vibrant Community page hosts discussion forums, user contributions, and showcase projects, while the Support portal offers driver downloads, FAQs, and a ticketing system for direct technical assistance.

### **Pages (5 unique pages):**

1. Home – Featured products carousel, news highlights, and quick links
2. Products – Full catalog of GPUs and accelerators with filtering tools
3. Developers – SDK downloads, tutorials, and AI/graphics code samples
4. Community – Forums, Q&A boards, and user-contributed content
5. Support – Driver downloads, FAQs, and ticket submission system
6. About Us – Company overview, mission statement, press releases

### **Data Storage, Manipulation & Viewing:**

- Products: model\_name, architecture, vram\_size, core\_count, boost\_clock, price, launch\_date, image\_url-
- DriverReleases: version, release\_date, supported\_models, download\_url, changelog-
- Tutorials: id, title, content, author, publish\_date, tags-
- ForumPosts: post\_id, user\_id, title, body, timestamp, replies
- SupportTickets: ticket\_id, user\_id, subject, description, status, created\_at, updated\_at
- Users: user\_id, username, password\_hash, email, role (admin or member)

Admin users can add/edit/delete products, tutorials, driver releases, and manage support tickets. Members can browse products, post in forums, and submit support tickets