## **User Requirements Document**

### **Project Title: SkillHive – A Platform for Showcasing Skills and Community Learning**

### **Introduction**

**SkillHive** is a dynamic, all-in-one web application designed to empower young individuals, students, and professionals by allowing them to showcase their skills, build personal portfolios, engage with a learning community, explore job opportunities, and share knowledge through video tutorials. The platform blends the functionalities of social networks, job boards, and learning hubs into one user-friendly ecosystem.

SkillHive focuses on four core functional areas:

* **Community Building**: Create an interactive community where users can follow, comment, message, and collaborate.
* **Profile & Portfolio Creation**: Let users build customized profiles that display their skills, projects, and achievements.
* **Job Posting & Discovery**: Employers or project owners can post opportunities; users can apply based on their interests and skills.
* **Skill Page & Video Tutorials**: Allow users to create dedicated "pages" to share skill-based videos (e.g., coding tutorials, design walkthroughs).

### **User Requirements**

#### **Functional User Requirements**

* Users should be able to **register and create an account** with optional social login (Google, GitHub).
* Users must have a **customizable profile page** to add bio, profile picture, skill tags, and project showcases.
* The platform should allow users to **follow and connect** with others, with a notification system for interactions.
* Users should be able to **post projects** with media support (images, documents, videos, descriptions).
* The system must support **posting and browsing of job opportunities** with filters by skill, location, or type.
* Users should be able to **create "Pages"** (like Facebook) to upload and categorize video tutorials under different topics (e.g., HTML, Java, C++, Flutter).
* A **messaging system** must allow real-time or asynchronous communication between users.
* The platform must support **commenting, liking, and sharing** of projects and posts to enhance community engagement.
* Users should have access to **search and filter functionalities** for jobs, users, and tutorials.
* An **admin dashboard** must be available for content moderation, user management, and analytics.

#### **Non-Functional User Requirements**

* The platform should have a **responsive UI/UX**, ensuring accessibility across desktop, tablet, and mobile devices.
* All user interactions and data should be protected using **secure authentication and encryption (HTTPS, JWT, OAuth)**.
* The site should offer **fast load times** and optimized content delivery using caching, CDN, and lazy loading.
* SkillHive must ensure **scalability** to handle growing user bases and data.
* The system should have a **user-friendly interface** for easy navigation and content creation, especially for younger users.
* The platform should offer **multimedia support**, especially for video uploads, with compression and format compatibility.
* It must include **accessibility features**, such as alt text for images, keyboard navigation, and screen reader support.
* Notifications (email + in-app) should be configurable by users to avoid overload but keep engagement high.
* The platform should support **multi-language capability** in the future for wider adoption.