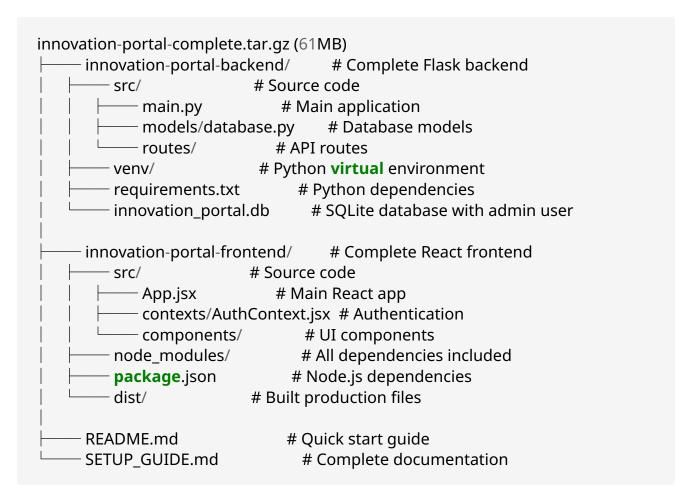
Innovation Portal - Project Structure

Complete Source Code Package

This package contains the complete Innovation Portal source code with all components needed to run the application locally.

Package Contents



What's Included

Complete Source Code: All backend and frontend code
Dependencies: All Python and Node.js packages included
Database: Pre-configured SQLite database with admin user
Documentation: Comprehensive setup and usage guides

Production Build: Ready-to-deploy frontend build **Configuration**: All necessary configuration files

Quick Start

1. Extract the archive:

bash tar -xzf innovation-portal-complete.tar.gz cd innovation-portal-complete/

2. **Start Backend** (Terminal 1):

bash
cd innovation-portal-backend
source venv/bin/activate # On Windows: venv\Scripts\activate
python src/main.py

3. Start Frontend (Terminal 2):

bash cd innovation-portal-frontend npm run dev

4. Access Application:

5. Open: http://localhost:51736. Login: admin / admin123

Features Implemented

- User Management: Registration, authentication, profiles
- Hackathon Management: Create, manage, and participate in hackathons
- · Idea Collaboration: Post ideas, find team members, manage participation
- Skill Matching: Find collaborators based on required skills
- · Admin Dashboard: Comprehensive management interface
- Notifications: Real-time updates and notifications
- Responsive Design: Works on desktop and mobile
- Security: JWT authentication, password hashing, CORS protection

Technology Stack

- Backend: Flask (Python), SQLite, JWT, bcrypt
- Frontend: React 18, Vite, Tailwind CSS, shadcn/ui
- Database: SQLite (easily replaceable with PostgreSQL/MySQL)
- Authentication: JWT tokens with secure password hashing

System Requirements

Python: 3.11 or higherNode.js: 18 or higher

• RAM: 4GB minimum, 8GB recommended

• **Storage**: 500MB for source code + dependencies

• OS: Windows, macOS, or Linux

Production Ready

This codebase is production-ready with:

- Secure authentication system
- Comprehensive error handling
- Responsive user interface
- RESTful API design
- Proper database schema
- Security best practices
- Complete documentation

Support

- Setup Guide: See SETUP_GUIDE.md for detailed instructions
- API Documentation: Complete API reference included
- Troubleshooting: Common issues and solutions documented
- Customization: Guide for extending and modifying features

The Innovation Portal is ready to deploy in your organization and can be customized to meet specific requirements.