🎯 Deployment Quick Reference Card

📋 Essential Information

Backend Repository

```
https://github.com/baller70/BasketballAnalysisAssessmentApp.git
```

Backend Location

```
/home/ubuntu/basketball_app/python-backend/
```

Replicate API Token

```
r8_XVbSqNpDmahHdfRWDjmivN2ZNPk3MUH2w1N4x
```

🚀 Recommended Platform: Railway

Why Railway?
- ✅ Best Python + Docker support
- ✅ Free tier ($5 credit/month)
- ✅ Automatic HTTPS & domain
- ✅ Simple environment variables
- ✅ Perfect for MediaPipe/OpenCV

Deploy URL: railway.app (https://railway.app)

🔑 Required Environment Variables

Variable	Value	Notes
`REPLICATE_API_TOKEN`	`r8_XVbSqNpDmahHdfRWDjmivN2Z NPk3MUH2w1N4x`	Already configured
`ALLOWED_ORIGINS`	`https://YOUR-FRONTEND-URL,http://localhost:3000`	⚠️ MUST UPDATE
`HOST`	`0.0.0.0`	Standard
`PORT`	`$PORT (Railway) / 10000 (Render)`	Platform-specific
`MEDIAPIPE_MODEL_COMPLEXITY`	`2`	Optional (0-2)

⚙️ Critical Configuration Steps

1. Root Directory (Railway/Render)

```
python-backend
```

⚠️ **Must set this** - backend is in subdirectory

2. Frontend Environment Variable

```
NEXT_PUBLIC_PYTHON_API_URL=https://your-backend-url.up.railway.app
```

⚠️ **No trailing slash!**

3. Update CORS

Add your Abacus AI frontend URL to `ALLOWED_ORIGINS`:

```
ALLOWED_ORIGINS=https://basketball-app.abacus.ai,http://localhost:3000
```

🧪 Testing Commands

Health Check

```
curl https://your-backend-url/health
```

Expected Response:

```json
{"status": "healthy", "version": "1.0.0", "mediapipe_available": true}
```

Test from Browser Console

```javascript
fetch('https://your-backend-url/health')
  .then(res => res.json())
  .then(data => console.log('✅ Backend working:', data))
  .catch(err => console.error('❌ Error:', err));
```

🔧 Common Issues & Quick Fixes

CORS Error

```
# Add frontend URL to ALLOWED_ORIGINS
ALLOWED_ORIGINS=https://your-frontend.abacus.ai,http://localhost:3000
```

404 Not Found

```
# Check Root Directory setting
Root Directory: python-backend
```

Build Failed

```
# Verify Dockerfile exists
ls python-backend/Dockerfile
```

Frontend Can't Connect

```
# Check environment variable (no trailing slash!)
NEXT_PUBLIC_PYTHON_API_URL=https://backend-url.com
```

📚 Documentation Files

File	Purpose	Size
`PY-THON_BACKEND_DEPLOYMENT_GUIDE.md`	Comprehensive guide (Railway, Render, Vercel)	32 KB
`QUICK_DEPLOY.md`	Fast Railway deployment (10-15 min)	6.6 KB
`DEPLOY-MENT_QUICK_REFERENCE.md`	This file - essential info	3 KB

⏱️ Estimated Timeline

Step	Time
Create Railway account	2 min
Connect repository	1 min
Configure root directory	1 min
Add environment variables	3 min
Generate domain	1 min
Wait for deployment	3-5 min
Test backend	1 min
Update frontend	2 min
Test integration	2 min
TOTAL	**15-20 min**

🔗 Important URLs (After Deployment)

Backend

- **API:** `https://your-backend-url`
- **Health:** `https://your-backend-url/health`
- **Docs:** `https://your-backend-url/docs` (auto-generated)

Frontend

- **App:** `https://your-frontend-url.abacus.ai`

Dashboards

- **Railway:** railway.app/dashboard (https://railway.app/dashboard)
- **Render:** render.com/dashboard (https://render.com/dashboard)

🎯 Next Steps After Reading This

1. **Quick deployment?** → Read `QUICK_DEPLOY.md`
2. **Need details?** → Read `PYTHON_BACKEND_DEPLOYMENT_GUIDE.md`
3. **Ready to deploy?** → Go to railway.app (https://railway.app)

Last Updated: December 4, 2025
Recommended Platform: Railway
Estimated Cost: Free tier sufficient for testing, $5-10/month for production