Rajaram Karki

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WORK EXPERIENCE

Cedar Gate Technologies **April. 2023 – Present**

Software Engineer *Hybrid*

- **Tech Stack**: .NET Core, C#, SQL(SSMS), RavenDB, Agile, Data Warehousing (ETL), BitBucket, Git, AWS S3
- Writing complete software or parts of it in C# .NET, working with SQL databases as well as NoSQL Databases (RavenDB). Analyzing existing systems written in C# .NET, produce estimates and modify them according to requirements.

.NET Intern *On-Site*

- Implemented scalable, performant, fault-tolerant processing systems, and data warehousing solutions in .NET, working with both SQL and NoSQL (RavenDB) databases.
- Collaborated with QA to fix bugs and defects, and helped in QA automation processes for performance testing.
- **Tech Stack**: .NET, C#, SQL(SSMS), RavenDB, Agile, Data Warehousing (ETL), BitBucket, Git, AWS S3

Avana Game Studio **Jul. 2023 – Feb. 2024**

Unity Engineer *Remote*

- Developed immersive mobile games primarily focusing on **game programming using C#.**
- Participated in **regular client meetings and communications** to ensure project alignment. Proficient in Agile methodologies and version control using PlasticSCM.
- **Tech Stack**: C#, Unity, PlasticSCM, Scrum, OOP

CloudFactory **Aug. 2021 – Jan. 2023**

Data Specialist *Remote*

- Worked on Citizen app to send users location-based safety alerts in real-time in US and automated workflows with **Zapier** and **Slack**. Created various **Excel documents** to assist with pulling metrics data and presenting information to Operations Manager.

PROJECTS

- **DAML:** Decentralized Access to Machine Learning, Used Federated Learning Model to demonstrate feasibility of model training without compromising data privacy. **Tech Stack**: Python, Streamlit.
- **Student Management System**: Created a simple website using ASP.NET Core MVC to perform CRUD operations on student data. **Tech Stack**: ASP.NET Core MVC, .NET 7, Entity Framework Core, SSMS, SQL.
- **Z-Buffer in C#**: Developed a 3D rendering application in C# and WinForms utilizing the Z-buffer algorithm for accurate object rendering and interaction. **Tech Stack**: C#, WinForms.
- **Geet:** Created a music streaming website where users can upload and listen to music, save songs to listen later list, view history and participate in the community. **Tech Stack**: Django, HTML, CSS, GitHub, PostgreSQL.
- **Landslide Prediction System:** Created a simple program to predict landslide in a given area by analyzing soil, elevation and rainfall data of that area. **Tech Stack**: Python, JavaScript, HTML, CSS
- **Bigger Tac Toe**: Created and hosted a simple 9*9 tic tac toe game in my blog. **Tech Stack**: C#, JavaScript, HTML, CSS.

EDUCATION

Kathmandu University **Aug. 2019 – Jul. 2024**

Degree in Computer Engineering *Dhulikhel, 45200*

- CGPA : 3.80

CERTIFICATIONS, SKILLS, ACHIEVEMENTS & INTERESTS

- **Certifications:**
  - Career Essentials in Software Development by Microsoft and LinkedIn
  - Becoming Leaders Worth Following by The Cloudfactory Academy
  - Programming Foundations by LinkedIn
  - Docker Foundations Professional Certificate by Docker and LinkedIn
  - Career Essentials in GitHub Professional Certificate by GitHub and LinkedIn
  - C++ Programming Professional Certificate by OpenEDG C++ Institute
- **Skills:** C#, C++, ASP.NET Core, SSMS, RavenDB, AWS S3 Bucket, ETL, Data Warehousing, BitBucket, GitHub, Django, Python, HTML, CSS, Unity, MySQL, Visual Studio
- **Achievements:** High School Full Scholarship, Geo Idea Contest Winner, IT Meet '22 & '23 Hackathon Attendee, Research Paper on E-Learning Amidst COVID-19 in Nepal
- **Interests**: drawing; rooftop gardening; *The Big Bang Theory;* writing poems