Krishna Panthi

MS in Computer Science Student & Research Assistant at Clemson University | Seeking Summer 2025 Internship Opportunities | Expected Graduation: Dec 2025

Email - kpanthi@g.clemson.edu
LinkedIn - https://www.linkedin.com/in/krishnapanthi/
GitHub - https://github.com/kp-square
Phone - (864) 533 3441

Summary

- Software developer and MS student with 3 years of professional experience.
- Involved in development of a sales and marketing system at MutualArt using .NET, Javascript, SQL, etc.
- Worked to migrate an existing WCF desktop application to a web application in Angular and .NET Core.

Education

Clemson University, South Carolina **- MS in Computer Science** **Jan, 2024 - Dec, 2025 (expected)**
Courses: Software Eng., Data Science, Linear algebra, Computer Security, Parallel programming, GenAI

Tribhuvan University, Nepal **- BE in Computer Engineering** **2016 - 2021**

Skills

Programming Languages: C#, Python, JavaScript, SQL, C++, C
Frameworks: .NET core, Vue.js, Angular
Databases: MS-SQL, MySQL, MongoDB
Cloud: AWS, Microsoft Azure
Misc: Git, Visual Studio, Pycharm, IIS, Linux, LaTeX, GPT Api
ML Tools: Tensorflow, PyTorch, Pandas, Darts

Professional Experience

Clemson University - South Carolina, US
Research Assistant and MS student **Jan 2024 - Present**

- Working under Assistant Prof. Vidya Samadi in Hydrosystem and Hydroinformatics Research Group.
- Worked in Time Series Analysis. This involved collecting relevant data, pre-processing it, building ML models or using existing ML models to train and test the future forecasts. Tools used include: Pandas, Pytorch, Tensorflow and Darts. Experimented with different types of models like MLP, LSTM and Transformer based models.
- Helped conduct WaterSoft hackathon and mentored REU interns.

Mutualart - Israel
Software Developer (Remote) **Nov 2021 - Dec 2023 (2 yrs 2 mos)**

Worked as a software developer with a multitude of technologies.

- Led development of a private sales system used for private sales of artworks sourced from private clients. Designed a database to manage the application data within SQL Server. Built a web application to interact with data and manage communication workflows using Vue 2 and .NET Core.
- Built background jobs to automate the tasks and workflows using Quartz.Net. Implemented algorithms for filtering out artworks and matching best fit clients to auction houses. Technologies involved Elasticsearch, Mixpanel, AWS, GraphQL, IIS.
- Upgraded an existing ML tool implemented in Python 2 using opencv to Python 3. Involved upgrading libraries, updating functions and syntax changes, bug fixing, etc.
- Worked on a Proof of Concept(POC) of Named Entity Recognition system for auto moderation of web scraped data in Python using Spacy. Generated data for the model using GPT-4 Api.

PensionPro - Harrisburg, PA
Junior Software Developer **April 2021 - Jan 2022 (11 mos)**

Worked to migrate an existing WPF(Desktop) Application to a Web Application.

- In my first role as a software developer, I acquired key professional principles and honed my skills in using tools like change trackers and version controls. I also gained exposure to Scrum, fostering my abilities in collaborative work and agile project management.
- Implemented features for a web application using Angular 8 and .NET Core. This involved analyzing existing WPF application code to understand features and re-implementing them in Web. Part of the work involved optimizing existing SQL code. Other technologies involved Microsoft Azure, SQL server and Redis.

Conference Presentations

Krishna Panthi, Vidya Samadi, Mostafa Saberian. Flood Gauge Height Prediction Using Advanced Deep Learning Approaches. 12th International Congress on Environmental Modelling and Software, June 23–27, 2024, in East Lansing, Michigan