

Danish Mir

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EDUCATION

National Institute of Technology

Bachelor of Technology in Chemical Engineering

Srinagar, Jammu and Kashmir

Oct. 2022 – Oct 2026

EXPERIENCE

Web Developer and Graphic Designer

Oct 2023 – Nov 2023

Curve Electric - Internship

Srinagar, Jammu and Kashmir

- Led the redesign of Curve Electric's website, enhancing its user interface and overall appeal.
- Created impactful designs and posters for the electric cycle startup and sustainability campaigns.
- Served as both Web Developer and Graphic Designer, contributing to various visual and digital projects.

Artificial Intelligence Intern

Aug 2024 – Sep 2024

Coincent

Srinagar, Jammu and Kashmir

- Implemented a Vision Transformer (ViT) model for image classification using the CIFAR-10 dataset, including patch-based image processing, self-attention mechanisms, and positional embeddings.
- Preprocessed and augmented the CIFAR-10 dataset by resizing images, normalizing, and applying techniques like random flipping, rotation, and zooming to enhance model performance.
- Trained and evaluated the model using the AdamW optimizer, achieving high accuracy.

PROJECTS

GulshanEdu | React, JavaScript, HTML, CSS, Git

Dec 2023 – Jan 2024

- Developed a responsive and user-friendly educational website for the Gulshan Educational Society, focusing on showcasing academic programs, admissions, and extracurricular activities.
- Implemented a modern front-end using React, ensuring seamless navigation and interactive user experience across devices.
- Collaborated with the client to align the website's design and functionality with their branding and content requirements.

Authentication System | Python, Flask, OpenCV, Pyzbar, PostgreSQL, Git

Aug 2024 – Sep 2024

- Developed a Flask-based web application for event attendance tracking, utilizing real-time QR code scanning and optional barcode attachment for secure attendee authentication.
- Integrated PostgreSQL for DB management of attendance records, with Flask-SQLAlchemy handling database interactions.
- Implemented camera feed processing with OpenCV and Pyzbar for real-time QR decoding, along with user-friendly controls for event organizers to manage attendance data.

SnakeAI | Python, Flask, Pygame, PyTorch, Matplotlib, Git

Sep 2023 – Oct 2023

- Developed an AI agent capable of autonomously playing Snake by learning optimal strategies through Q-learning.
- Engineered a customizable environment for training the agent, focusing on maximizing the game score.
- Implemented real-time monitoring and visualization to track the agent's learning progress and performance.

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals
- Artificial Intelligence with Python
- Supervised Machine Learning: Regression and Classification
- Contributor: GirlScript Summer of Code

SKILLS

Web Development: HTML, CSS, JavaScript, React, Next.js, Node.js, Bootstrap, REST APIs

Languages and Tools: Python, Flask, Git, PostgreSQL, C, C++

Libraries/Frameworks: NumPy, Pandas, TensorFlow, OpenCV, Matplotlib, Seaborn, Scikit-learn, Pygame

Technologies: GitHub, VS Code, Linux(basic)

Soft Skills: Critical Thinking, Data-Driven Decision Making, Problem-Solving, Communication of Analytical Findings