NEEHA AGRAWAL

+1(734)-754-0430 | neagra@iu.edu | LinkedIn

EDUCATION

Indiana University Bloomington
Master of Science in Computer Science

USA
Aug 2024 - Present

Pandit Deendayal Energy University
Bachelor of Engineering in Computer Science | GPA:9.61/10

India
July 2020 - May 2024

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Unix, Linux
Web Development: React, Typescript, JavaScript, Angular, Node.js, Bootstrap, MERN Stack, SpringBoot, HTML/CSS
Cloud: Microsoft Azure (Data Lake, Databricks, Data Factory), AWS(S3, EC2), Jetstream
Databases, Datastores: SQL, RDBMS, NoSQL, Relational Database
Miscellaneous: Git, REST API, Docker, Data Structures
Published Paper Link - https://ieeexplore.ieee.org/document/10461904?denied=

PROFESSIONAL EXPERIENCE

Nextun Technology Private Limited   **May 2023- July 2024**
Software Developer

- **Developed and enhanced a Data analytics tool** that provided visual representations of data through interactive graphs and dashboards.
- Implemented features using **JavaScript, Django, Python,** leading to improved data visualization and user insights.
- Analyzed and transformed raw data into actionable insights, improving data accessibility and decision-making processes for end-users.
- Collaborated with data scientists and engineers to integrate data sources and ensure accurate and efficient data processing.
- Spearheaded a remarkable **28% reduction in analysis delays**, earning **recognition from managers**.
- Employed version control systems **(Git)** and adhered to **Agile methodologies** to streamline development workflows and maintain code quality.

Gujarat Council on Science & Technology (GUJCOST)   **May 2023- July 2023**
Summer Research Intern

- Co-authored the conference paper "**Blockchain-based Kerberos System**," proposing a novel integration of blockchain technology with Kerberos authentication through smart contracts.
- Contributed to the patented "**Contact-less Authentication with Blockchain Integration for Access Logs**," focusing on enhancing security and management through blockchain.
- Researched public and private cloud environments, evaluating their impacts on authentication systems and data security.

ACADEMIC PROJECTS

Code Explanation Website   Pandit Deendayal Energy University
HTML, CSS, Javascript, Python, OpenAI   *Oct 2023 - Dec 2023*

- Created a platform that provides detailed explanations for code snippets in **any programming language**, such as Python, JavaScript, and C++.
- **Integrated AI-Powered Explanations**: Utilized AI to generate detailed, user-friendly explanations for various code examples, improving understanding and learning.
- **Implemented User-Friendly Interface:** Designed an intuitive front-end using HTML and CSS, ensuring easy navigation and accessibility for users seeking code insights.
- **Github Link - https://github.com/neeha120/Code-Explaining-Website**

Twitter Sentiment Analysis with Emotes   Pandit Deendayal Energy University
Python, Pandas, Numpy, Flask   *Oct 2022 - Dec 202*

- Developed a **sentiment analysis tool** using a dataset of **1.4 million tweets with text and emoticons**, achieving **87%** accuracy in sentiment classification.
- **Leveraged Advanced NLP Techniques:** Implemented natural language processing methods to analyze and interpret emotions conveyed through text and emoticons.
- **Delivered Actionable Insights:** Provided insights into public sentiment on Twitter by accurately classifying emotions and opinions expressed in tweet
- **Github link - https://github.com/neeha120/SentimentAnalysis**

Page Replacement Algorithms Website Link - https://neeha120.github.io/PageReplacementAlgorithms/