

Manav Jain

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EDUCATION

University of Texas at Dallas Richardson, TX

May 2024

Master of Science in Computer Science

GPA: 3.7/4.0

Relevant Courses: Network Security, Machine Learning, Statistical Methods for Data Science, Big Data Analytics

University of Mumbai, Mumbai, India

May 2022

Bachelor of Engineering in Computer Engineering

GPA: 3.94/4.0

Relevant Courses: Data Structures, Cloud Computing, Analysis of Algorithms, Database Management Systems

TECHNICAL SKILLS

- **Languages:** Python, C, C++, Java, JavaScript, PHP, HTML, CSS, R
- **Frameworks and Databases:** MySQL, PostgreSQL, MongoDB, Spring Boot, React, NodeJS, Bootstrap, jQuery, Django
- **Cloud services:** Azure DevOps, Microsoft Sentinel, Google Chronicle (Siemplify), AWS S3, AWS EC2, AWS ECS, AWS EKS
- **DevOps Tools:** Docker, Terraform, Google Kubernetes Engine (GKE), Jenkins, GitLab, Google VPC
- **Tools:** ConnectWise, WiX, Elasticsearch, Kibana, Logstash, Microsoft 365 Defender, Git, SharePoint, Smartsheet

EXPERIENCE

CyberForce|Q, Dallas, TX | Software Engineer Intern

Jun 2023 – May 2024

- Engineered a robust monitoring solution for client alerts, optimizing PostgreSQL database queries to ensure 24/7 cycles, facilitating prompt responses and improved client communication
- Proficiently integrated REST APIs into Python scripts for various applications, while conducting comprehensive audits of over 30 custom Python codes to enhance investigation and response capabilities
- Spearheaded the automation of security incidents and development of playbooks for SOC automation in Google Chronicle, utilizing SOAR products to achieve a remarkable 45% reduction in incident response time
- Demonstrated expertise in containerization with multi-stage Docker builds for Flask and FastAPI applications, optimizing image size for GKE, and proficiently integrating Terraform into automation pipelines using Jenkins, GitLab
- Designed and developed high-performing websites with integrated responsiveness and search engine optimizations using WiX, resulting in a notable 15% increase in website traffic

GOLS EdTech Pvt. Ltd. | Frontend Developer Intern

May 2021 – Jun 2021

- Enhanced the efficiency and user-friendliness of a Learning Management System (LMS) website, leading to a notable 12% increase in website traffic
- Leveraged expertise in jQuery, Bootstrap, HTML5, JavaScript, and CSS to refine and elevate the user interface

DY Patil University | Full Stack Developer Intern

Aug 2020 – Mar 2021

- Built a system to manage transcript data for 1000+ students pursuing Bachelor of Dental Surgery degree
- Engineered a data management system to reduce manual work by 70%, reducing the risk of data duplication and errors

PROJECTS

E-Commerce Web Application | Java, Spring Boot, Thyme leaf, Hibernate, MySQL

Jan 2023 – May 2023

- Implemented a robust Model-View-Controller (MVC) architecture to craft a sophisticated E-commerce web application
- Added modular functionality for subsequent controllers, developed Inventory Management and State Management
- Handled user authentication for each subsequent submission using google OAuth making it highly secure

NFT Transaction System | Python, Flask, MySQL

Aug 2022 – Dec 2022

- Implemented a web application that allows traders to buy and sell NFTs
- Infused functionality that allows traders to see NFTs they own and their current market price in USD and Ethereum
- Achieved critical functionality as the system allows cancellations of transactions up to 15 mins after their submission

Comparative study of Machine Translation Systems | TensorFlow, PyTorch, CNN, LSTM

Jan 2022 – Apr 2022

- Efficiently designed an interface for text conversion from English to Hindi after generating caption from an image
- Documented the efficiency of translation to be 89% by comparing results against Google Translation System

PUBLICATIONS

- [“Machine Translation Systems for English Captions to Hindi Language Using Deep Learning”](#), 3rd International Conference on Automation, Computing and Communication (ICACC-2022), Apr 2022

CERTIFICATIONS

- [AWS Cloud Technical Essentials](#) Jun 2024
- [Elasticsearch 8 and the Elastic Stack](#) Sep 2023
- [Responsive Web design](#) Sep 2021