

Deepika Anilkumar Chaturvedi

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EDUCATION

The University of Texas at Dallas

Master of Science in Computer Science, GPA: 3.32/4

Richardson, TX

Aug 2021 – May 2023(Expected)

MIT Academy of Engineering

Bachelor of Engineering in Computer Science, GPA: 8.33/10

Maharashtra, India

Aug 2015 – Apr 2019

EXPERIENCE

Amdocs Development Centre LLP

Technology Integration Engineer

Pune, India

Jan 2020 – Aug 2021

- Managed the security and availability of computing platforms, servers, and networks, as well as maintaining complete data centers of the production environment
- Deployed codes in production and quality assurance environments and made provisions for the environment to run the application smoothly
- Monitored server and traffic closely resulting in a fewer escalated production issues thereby reducing costs for handling production related issues
- Developed automation scripts using Perl and Shell and created a chatbot that made production monitoring more efficient and reduced manual intervention with overwork by 70%
- Developed automation websites using HTML and complex SQL queries to automate work request processing and helped in easier debugging of the production issues As a result, overall efficiency and team's ability to narrow down issues was improved by 75%

World Compliance Technology

Software Developer Intern

Pune, India

Nov 2017 – Feb 2018

- Developed a C++ program with the development team, learned how to use Perl and Shell scripts to create automated scripts, and constructed the UI using QT Creator by coordinating with the UI team, growing my understanding of teamwork.
- Learned the nuances of working in an enterprise level team project

RESEARCH AND PUBLICATIONS

Detection of Social Network Based Cyber Crime Forensics using Apache Spark

Mar 2019

- Authored and published the paper in International Journal of Engineering Science and Computing (IJESC) (<https://bit.ly/3zAZGNL>)

ACADEMIC PROJECTS

UTD Bay: buy, sell, and give away (HackUTD VIII)[Bootstrap,CSS,HTML,MongoDB, Node.js]

- The web application had the following modules: Signup - The user can signup by entering basic details. Login - Log in using UTD email Buy - This module displays the user with all the item choices available for sale at a point of time. Sell - The user is given a form that enables the seller to list the item he wants to sell. Search- search functionality to filter out items based on different category types.
- This web application would served as a common platform where students as well as professor would communicate and help each other

Detection of Social Network Based Cyber Crime Forensics using Apache Spark[Scala, Apache 2.0, Linux]

- Using Apache Spark, clusters of two slave machines and one master computer stream live tweets to identify cyber bullying or hate speech
- Data classification was performed using a Naive Bayes algorithm written in Scala

Time Series Prediction on Stock Prices using an LSTM model[Python, Recurrent Neural Network,Machine Learning]

- Developed a model that could predict stock prices using long short-term memory neural network

Image Processing (Steganography)[Java, File-Handling, Cryptography]

- Created a Java application in which files are encrypted and then embedded to an image
- XOR was used as the encryption technique

Resilient Web Server using cloud (AWS)— [S3 bucket, cloud watch, Load Balancer]

- Developed a web server, which could auto scale up and scale down depending on the traffic

TECHNICAL SKILLS

Languages: Java, Python, C/C++, MySQL, HTML ,CSS, JavaScript, React, XML

COURSES TAKEN

Design and Analysis of Algorithm, Database Design, Data Representation, Machine Learning, Software Testing, Software Maintenance