Deepika Anilkumar Chaturvedi

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EDUCATION

The University of Texas at Dallas   Richardson, TX
Master of Science in Computer Science, GPA: 3.32/4   *Aug 2021 – May 2023(Expected)*

MIT Academy of Engineering   Maharashtra, India
Bachelor of Engineering in Computer Science, GPA: 3.70/4   *Aug 2015 – Apr 2019*

SKILLS AND EXPERTISE

Programming Languages:	Java, C++, C, Python, SQL
Web Development:	HTML, CSS, JavaScript, XML, NodeJS
Big Data and Analytics:	Hadoop (HDFS, MapReduce, Kafka, Scala), Kibana
Databases:	MySQL, MongoDB, AWS
Other IDE and Tools:	Eclipse, VS Code, Visual Studio, IntelliJ

EXPERIENCE

Velox Data Co.   San Antonio, USA
Software Developer Intern   *June 2022 – Present*
- Developed a feature for installing Windows applications using the C++ programming language improving client's experience with projected growth of 10%.
- Developed ML model that helped in understanding of clients experience on products which helped engineering team to focus more on critical aspects increasing revenue by 2%

Amdocs Development Centre LLP   Pune, India
Software Developer   *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
- 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   Pune, India
Software Developer Intern   *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

ACADEMIC PROJECTS

UTD Bay: Buy, Sell, and Give away (HackUTD VIII) [Bootstrap, CSS, HTML, MongoDB, NodeJs]
- The web application had the following modules: Signup, Login, Buy (Provides user with all the item choices available for sale at a point of time), Sell (A form that enables the seller to list the item he wants to sell), and Search (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
- Authored and published the paper in International Journal of Engineering Science and Computing (IJESC) (https://bit.ly/3zAZGNL)

Steganography Image Processing [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

Hands On Experience on Machine Learning and Cloud [Python, Machine Learning, AWS]
- Developed a model that could predict stock prices using long short-term memory neural network
- Developed a web server, which could auto scale up and scale down depending on the traffic