

ADITHI LOKA

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EDUCATION

University of Colorado, Denver. MS, Computer Science

CGPA: 3.97/4

May 2021.

Chaitanya Bharathi Institute of Technology, Osmania University, India. BS, CS.

CGPA: 8.22/10

Apr 2018.

ACHIEVEMENTS AND CERTIFICATIONS:

- Outstanding Graduate Student at University of Colorado, Denver in Computer Science Department for Spring 2021. <https://www.linkedin.com/feed/update/urn:li:activity:6791445728016244736/>
- Data Structures and Algorithms Nanodegree from Udacity. [link](#)
- Advanced Certification in Machine Learning and Artificial Intelligence by **IIIT-Hyderabad**, India.
- **Other Certifications:** Data Science with python, Big Data science with Spark, Machine Learning.

SKILLS

Programming	: Java, Python, R, JavaScript.
Databases	: MySQL, Oracle, MongoDB, Cassandra.
Development Frameworks	: RESTful web services, JDBC, MVC, Servlets, JSP, HTML, CSS, JQuery, JSON, Bootstrap.
Platforms and Tools	: Spring, Spark, Django, Bottle.
Methodologies	: Git, Jira, Tableau, PowerBI, MS Office, Azure, AWS, Anaconda, Maven, Gradle.
Data Science	: Agile, Scrum, Waterfall, TDD.
Leadership	: Pandas, NumPy, Scikit-Learn, NLTK, SciPy, TensorFlow.
	: Collaborative Interaction, Advising, Team building expertise.

EXPERIENCE

University of Colorado, Denver, USA – *Graduate Research Assistant/Teaching Assistant*

Sep 2019 – May 2021.

- Involved in discussions on system design and parallelly worked on decision-making models using Machine Learning.
- Hosted web applications on AWS and experience with Continuous Integration and Continuous delivery (CI/CD).
- Implemented stochastic gradient descent for aviation data to achieve travel safety. Also, worked with NLP techniques, feature scaling, feature analysis and web scrapping for descriptive data analysis. Responsible for performing data visualizations on PowerBI and creating dashboards on Tableau.
- Delivered lectures on OOPs concepts and responsible for designing programming assignments, grading, and offering constructive feedback to undergraduate students.

Accenture Solutions, India – *Software Engineer*

May 2018 – Jul 2019.

- Develop, test, implement and maintain application software within all phases of software development lifecycle (SDLC).
- Implemented RESTful web services to perform CRUD operations on data and worked in Agile environment which involved refinement sessions and retrospective meetings.
- Responsible for handling SQL queries, worked on database design. Experience in facilitating data extraction, data interpretation and data analysis using SQL queries.
- Gained proficiency in debugging and maintaining fixes.

PROJECTS

E-Commerce Application (Application Development)

- Developed a Java Spring Boot e-commerce project that utilizes Microservice architecture and uses REST API for create, read, update, and delete operations. **Technologies used:** JAVA, Spring Boot, MySQL, Eclipse IDE, Postman, Unit Testing.

Locality Sensitive Hashing for Approximate Nearest Neighbor. (Big Data Mining)

- Delivered a locality sensitive hashing algorithmic technique for 20x20 images which hashes similar input items into the same buckets with high probability. This technique eliminates exhaustive search and is scalable with huge datasets. **Technologies used:** PySpark, Python, NumPy, Matplotlib.

Computational Linguistics (Natural Language Processing and Web Development)

- Project aims at text prediction by the synthesized use of n-gram model and HashMap Data Structure. Sentence Correction is done by using Context Free Grammar. **Technologies used:** Python, NLTK, Enchant, Bottle Framework.

Blood Bank System (Web Development)

- Developed a 3-tier web application acting as an interface between donor and receptor, which helps in blood donation service by making use of database storage. **Technologies used:** JAVA, Servlets, JSP, HTML, CSS, MySQL, JDBC.