

# Nikhil Kumar Reddy Pyreddy

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## EDUCATION

- The University of Oklahoma** Norman, OK  
*Masters in Computer Science: GPA: 3.57*  
*Courses: Algorithm Analysis, Software Engineering Process, Text Analytics.*  
August 2022 - May 2024
- Vardhaman College of Engineering** Hyderabad, India  
*Bachelor of Computer Science: GPA: 8.12*  
July 2017 - May 2021

## TECHNICAL SKILLS SUMMARY

- Languages:** Java, Python, C++, C, SQL, ES6, PHP
- Frameworks/Libraries:** React, jQuery, HTML, CSS, REST APIs, DOM
- Other:** Docker, AWS, Wordpress
- Tools:** GIT, JIRA, Postman, IntelliJ, Mongo Compass, Heroku

## EXPERIENCE

- The University of Oklahoma** Norman, United States  
*Graduate Research Assistant - Software Development Engineer*  
February 2023 - May 2023, August 2023 - present
  - Application Development:** Worked with Schlumberger for the application development of software tools and implementation of high-level seal design tools.
- Paycom** Dallas, United States  
*Software Development Intern*  
May 2023 - August 2023
  - Development:** Developed a highly scalable web application for importing new customer data into the system.
  - Implementation:** Implemented multiple Web APIs and integrated them with frontend. This implementation will decrease the incoming import issues by 60%.
  - TechStack:** C#, ASP .NET, React, MySQL, HTML, CSS, JavaScript.
- Cognizant Technology Solutions** Hyderabad, India  
*Software Development Engineer*  
February 2021 - June 2022
  - Client:** American International Group UK Limited.
  - Project:** UW Insight Development.
  - Client Side Development:** Implemented a web application for a wide range of operations spanning from creating, updating, and closing commercial insurance policies.
  - Server Side Development:** Worked with multiple Web APIs in communicating data between various applications and interfaces.
  - TechStack:** C#, ASP .NET MVC, Web API, Windows Services, Angular, MySQL, HTML, CSS, JavaScript, DevOps.
- NFolks Software Technologies** Hyderabad, India  
*Web Development Intern*  
December 2018 - January 2019
  - Automating File format conversions:** Designing and building scalable DataStage solutions. Configuring clustered and distributed scalable parallel environments.
  - TechStack::** XML, JSON, IBM InfoSphere DataStage.

## ACADEMIC PROJECTS

- Norman Police Department Data Redaction:** Implemented a Named Entity Recognizer model. Explored Regex module and SQLite. Performed data cleaning using NLP techniques and vectorization using sklearn library and utilized machine learning models to fit the training data and predict testing data results.  
**Techstack:** Python, PyPDF, NLP, sklearn, spacy, Regex.
- URL Shortner using Base62 algorithm:** A Python Flask-based web application developed to shorten the lengthy URLs, and make sharing URLs more convenient.  
**Techstack** - Python, Flask.

## PUBLICATIONS

- Picture quality improvisation using image dehazing for improving surveillance frameworks**  
*IET Digital Library*  
<https://ieeexplore.ieee.org/document/9770592>  
Nov 2021

## TRAININGS AND CERTIFICATIONS

- Responsive Web Design (freeCodeCamp) - July, 2019.
- Introduction to Data Science in Python (Coursera) - March, 2020.
- AWS Academy Cloud Foundations (Amazon Web Services Training) - June, 2023.