

Kaushik Chitipothu

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EDUCATION

University of Central Florida, Orlando

August 2023- May 2025*

Master of Science, Computer Science, GPA: 4.00

Current Coursework: Advanced Computer Architecture, Machine Learning, Design and Analysis of Algorithms, Computer Vision, Data Mining, Malware and Software Vulnerability Analysis

Keshav Memorial Institute of Technology, Hyderabad

August 2017- July 2021

Bachelor of Technology, Computer Science and Engineering, GPA: 7.55

Coursework: Database Management Systems, Web Technologies, Machine Learning and Artificial Intelligence, Software Engineering, Data Structures and Algorithms, Design and Analysis of Algorithms, Operating Systems.

PROFESSIONAL EXPERIENCE

OpenText, Hyderabad – Associate Software Engineer | .NET, C#, AngularJS, SQL, WIX Toolset

June 2021- August 2023

Duration: 25 months

- Improved the user interface (UI) to encompass 100% of the features of a recently developed web application using AngularJS and KnockoutJS.
- Designed the RestAPI to facilitate seamless communication between the client and server for this web application.
- Pioneered the creation of an Installer through the utilization of a .NET framework, precisely employing the WIX toolset, SharpSetup, and C#. The resultant solution automated the entire spectrum of product deployment processes, effectuating a streamlined and efficient setup procedure within various environments. This generated installer minimizes the configuration time by almost 80%.
- Managed and developed web applications, desktop application and server including the database. presenting between 5 to 10 proof-of-concept initiatives, all of which crystallized into pivotal new feature integrations.
- Had direct engagement with the customers, thereby facilitating the proficient resolution of critical issues encountered. This interactive approach contributed to the establishment of a robust feedback loop, enriching product refinement and end-user satisfaction.

OpenText, Bangalore – Software Engineer Intern | Java, Kubernetes, Docker

Feb 2021- June 2021

Duration: 3 months

- Orchestrated seamless deployment of web applications on diverse cloud platforms including Microsoft Azure, Google Cloud, and private OT cloud, leveraging Kubernetes commands and Docker containerization. The cloud deployment strategy resulted in a 50% reduction in client's physical resource costs by transitioning to cost-effective cloud infrastructure.
- Played a pivotal role in migrating the code base from TFS to GitLab and resolving customer issues.

ACADEMIC PROJECTS

Hand Written Digit Recognition | Machine Learning and Deep Learning

- Generated a Convolutional Neural Network (CNN) that recognizes a Hand written digit with an accuracy of 97%.
- Modified National Institute of Standards and Technology database (MNIST) is the primary dataset. Training and testing data was split in 70 to 30 ratio.
- Other algorithms like ANN and K-Nearest Neighbors gave an accuracy of 91% and 86% respectively.

Computerized Fee Collection and Transfer Certificate Module | ReactJS, NodeJS, Express, SQL

- Created a web application that completely automates the fee payment module and also book a slot to collect their Transfer Certificate and other certificate's. This application will help reduce the waiting time by 90% to 100% of students to collect their TC's by almost 100% and it also allows the admin to manage the records of all the fee payments and slot booking.

College Voting System | JSP, Servlets, HTML, SQL

- A web application designed to conduct college elections online, where the user can vote for only 1 candidate, view the information of candidates and view the results of the elections.
- Key features like user authentication, allowing 1 vote per user for a particular role have been implemented.

CERTIFICATIONS & ACHIEVEMENTS

- Certifications:** Introduction to Machine Learning | Advanced Machine Learning | Practical Machine Learning with Tensorflow | Deep learning Specialization | Front-End Web UI Frameworks and Tools: Bootstrap 4 | Front-End JavaScript Frameworks: Angular | Google Cloud Computing Foundations | Ultimate AWS Certified Developer Associate: Udemy
- Achievements:** Received several recognition awards at workplace | Received full scholarship for undergraduate.

TECHNICAL SKILLS

Programming: JAVA, Python, C#, C++, C, PL/SQL

Web Development: ASP.NET, Node.js, PHP, .NET, React JS, HTML, CSS, XML, JavaScript, AngularJS, Knockout.js, Vue.js, JSP, Servlets, TypeScript

Other Technologies/ Tools: Machine Learning, Deep Learning, Kubernetes, Docker, AWS, WIX Toolset

Data: SQL Server, MongoDB