

KAUSHIK CHITIPOTHU

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EDUCATION

University of Central Florida, Orlando

August 2023 - May 2025*

Master of Science, Computer Science, GPA: 4.0

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, GPA: 3.2

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

TECHNICAL SKILLS

Languages: JAVA, C#, Python, C, C++, JavaScript, TypeScript, SQL.

Technologies/Frameworks: .NET, Angular JS, React JS, Node JS, Tensorflow, JSP, Servlets, Keras, HTML, CSS, XML, Kubernetes, Docker, Agile Methodologies.

Developer Tools: Eclipse IDE, Visual Studio, VS Code, TFS, Git, R Studio, Android Studio, Jira, AWS, WIX Toolset.

EXPERIENCE

OpenText, Hyderabad - Associate Software Engineer | .NET, C#, AngularJS, SQL

June 2021 - August 2023

- Improved the user interface (UI) of an existing web application by refactoring 70% of the code using **AngularJS** and **KnockoutJS**.
- Built the **REST API** using MVC architecture to facilitate seamless communication between the client and server for this web application.
- Developed an installer using **.NET** framework, **WIX toolset** and **SHARPSETUP**, reducing configuration time by nearly 80%.
- Presented several POCs to improve application usability, resulting in a streamlined setup process.
- Led the integration of OAuth authentication for Office365 clients, bolstering mailing service security.

OpenText, Bangalore - Software Engineer Intern | JAVA, Kubernetes, Docker

February 2021 - June 2023

- Led the smooth deployment of web applications across Microsoft Azure, Google Cloud, and private OT cloud using **Kubernetes** and **Docker**, achieving a 50% reduction in client resource costs through optimized cloud infrastructure adoption.
- Played a pivotal role in migrating the code base from **TFS** to **GitLab** and resolving customer issues.

PROJECTS

Computerized Fee Collection and Transfer Certificate Module | Project Lead | ReactJs, NodeJs, SQL

- Designed and developed a real time web application that completely automates the fee payment module and also books a slot to collect their Transfer Certificate and other certificates.
- This application will help reduce the waiting time of students by **90%** to **100%** to collect their TCs and it also allows the admin to manage the records of all the fee payments and slot booking.

Handwritten Digit Recognition | Tensorflow, NumPy, Pandas, Scikit

- Generated a Convolutional Neural Network (CNN) that recognizes a handwritten digit with an accuracy of **97%**.
- Utilized the renowned Modified National Institute of Standards and Technology (MNIST) database as the primary dataset, with data division into training and testing sets following a **70/30** ratio.
- Other algorithms like ANN and K-Nearest Neighbors gave an accuracy of **91%** and **86%** respectively.

College Voting System | Project Lead | JSP, Servlets, HTML, SQL

- Managed a team of **10** developers to successfully launch a web application for conducting online college elections, resulting in a **30%** increase in voter participation compared to previous years.
- Implemented user authentication protocols, reducing voting fraud incidents by **50%** and ensuring the integrity of the electoral process.

ACCOMPLISHMENTS

- Received several recognition awards like "High Five Award - We Sweat the Details" at the workplace for outstanding performance.
- Earned a full scholarship for undergraduate studies, reflecting outstanding academic performance and achievement.