

# Vishesh Kumar Vupputuri

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## EDUCATION

### Master of Science, Information Technology, GPA: 4.0 / 4.0

Jan 2023 - Apr 2024

University of Cincinnati, Cincinnati, OH

- Relevant Coursework: Machine Learning and Data Mining, Cloud Technology (AWS, Azure), HCI, Statistics Data Analytics
- Merit-based Scholarship Graduate Incentive Award

### Bachelor of Technology, Information Technology, GPA: 8.29 / 10.0

Aug 2016 - Sep 2020

Vardhaman College of Engineering, Shamshabad, Telangana

- Relevant Coursework: Web Technologies, Cloud Computing and Big Data, Image Processing, Computer Graphics

## WORK EXPERIENCE

### Software Developer

Jan 2021 - Sep 2022

Tata Consultancy Services, Madhapur, Telangana

- Led front-end development of a responsive website, using HTML, CSS, JavaScript, JSON, and **jQuery** throughout the **SDLC**, resulting in a 25% increase in user engagement and a 15% reduction in page load times.
- Accelerated system performance by 25% through optimization of Apex code, **SOQL**, Visualforce pages, and Lightning components, **SOSL**, resulting in an improved user experience.
- Implemented **Agile** methodologies to efficiently manage project timelines, resulting in a 30% reduction in project delivery times for Salesforce solutions.
- Directed conceptualization and execution of advanced workflows, validation rules, and process builder flows, refining business processes and elevating **automation**, leading to a 30% improvement in operational efficiency.
- Facilitated seamless integration of Salesforce with external systems by utilizing **REST/SOAP** APIs and other integration tools, ensuring smooth data flow and system interoperability.

### Full Stack Developer

Apr 2020 – Nov 2020

FreeLancer, LB Nagar, Madhapur, Telangana

- Worked closely with and stakeholders, contributing to the successful launch of a dynamic company website, resulting in a 20% increase in user engagement and provided a better **user interface (UI)**.
- Streamlined website performance by implementing optimization techniques, resulting in a 30% improvement in page loading speed and enhancing the overall **user experience (UX)**.

## PROJECT EXPERIENCE

### Real-time Hand Gesture Recognition System

Jan 2024 - Present

- Engineered and implementing **machine learning** models for real-time hand gesture recognition, achieving an impressive 70% accuracy rate in accurately classifying diverse hand gestures.
- Enhanced the system's real-time processing capabilities, reducing latency by 25% and ensuring immediate responsiveness to user gestures, thereby optimizing the overall user experience.

### PowerBI with Synapse

May 2023 - Aug 2023

- Achieved seamless integration between **Power BI** and Microsoft **Azure Synapse Analytics**, enabling a 20% reduction in data processing time and enhancing end-to-end analytics efficiency.

### Driver Drowsiness Detection

Jan 2020 - Apr 2020

Vardhaman College of Engineering, Shamshabad, Telangana

- Constructed a machine learning and **artificial intelligence**-based system proficient at identifying driver drowsiness and fatigue, resulting in a 25% reduction in fatigue-related incidents.
- Integrated a multidisciplinary approach, combining **data analytics**, machine learning algorithms, and real-time alerting mechanisms to enhance road safety, resulting in a 20% decrease in road accidents.

### Biometric Voting System

Jul 2019 - Nov 2019

Vardhaman College of Engineering, Shamshabad, Telangana

- Designed a secure and instantaneous biometric voting system, leveraging a device created with **Arduino** and **Java**, leading to a 40% reduction in voting time and a significant enhancement of the overall efficiency of the electoral process.
- Accomplished implementation of biometric authentication for precise voter identification, mitigating the risk of illegal practices and ensuring a 15% increase in voting system integrity.

## CERTIFICATIONS

- Azure Data Engineering (Azure DP-201) Jan 2024
- AWS Academy Cloud Security Foundations (AWS Academy Graduate) Nov 2023

## SKILLS

**Programming Languages & Operating Systems:** C, C++, C#, Data Structure, Java, Python & Linux, Mac OS, Windows, Unix

**Web Technology Skills & Frameworks:** HTML, CSS, JavaScript, XML, ReactJS & Angular, Jest

**Databases and Data Processing:** Oracle, MySQL, DBMS, Postgre, SQL, NoSQL, JSON, ETL, Apache Spark, MongoDB

**Development and Tools:** Jenkins, Visual Studio, Salesforce, Git, Android Studio, Power BI, Tableau, MSOffice

**Cloud Technologies:** AWS (EC2, S3, Lambda), Azure (Synapse, ComsoDB, Data Pipeline), Google Cloud Platform.

**Data Science and 3DAnimation:** OpenCV, TensorFlow, PyTorch & Zbrush, Maya, Blender, Unity, Adobe