

# Vision Kumar Reddy Ellendula

2801, S King Drive, Unit 618, Chicago, IL, 60616.

[vision.ellandula@gmail.com](mailto:vision.ellandula@gmail.com) | +1 3126476676 | [LinkedIn](#)

## SUMMARY

Passionate and versatile professional currently pursuing a Master's degree in Computer Science and a Bachelor's in Computer Science and Engineering, specializing in Artificial Intelligence. My expertise spans web development, data science, and deep learning, with a strong commitment to technical excellence and problem-solving. Notably, I have excelled as a Senior Associate Application Developer at AT&T, contributing significantly to the development of highly scalable web applications. My proficiency in web development, data analysis, AI model development, and research publications underscores my adaptability and versatility.

## EDUCATION

- Illinois Institute of Technology, Chicago, IL.** GPA : 3.66/4 2023-2025  
MS in Computer Science  
**Relevant Courses:** Advanced Database Organization, Natural Language Processing and Science of Programming.
- Koneru Lakshmaiah Education Foundation, Aziz Nagar, Hyderabad, Telangana.** GPA : 3.86/4 2018 - 2022  
B.Tech in Computer Science and Engineering specialization in Artificial Intelligence  
**Relevant Courses:** Database Management Systems, Probability and Statistics, Machine Learning, Artificial Intelligence, Data Mining.

## SKILLS

- Languages and Frameworks:** Python, C/C++, Java, Node, SQL, React, Javascript, Angular, HTML, CSS, Scala, Pyspark, Hadoop, Bootstrap.
- Libraries:** NumPy, Pandas, Keras, Tensorflow, Matplotlib, scikit-learn, scikit-learn OpenCV.
- Tools:** Power BI, Tableau, AWS Quicksight, Azure Data Explorer, SharePoint, Jenkins, Docker, Git, SourceTree, Jira, Slack.
- Databases:** Oracle, MySQL, MongoDB, Snowflake.
- Cloud technologies / Others:** AWS (EC2, S3, Lambda), Azure, UNIX/ Linux, Shell Scripting.
- Statistical and AI Skills:** Statistical Analysis, Regression, Classification, Clustering, SVM Bootstrapping, Decision Tree, Principal Component Analysis, Normalization, Deep Learning, Machine Learning.
- Other Skills:** Project Management, Excellent Communication, Problem Solving, Data Structures and algorithms.

## EXPERIENCE

- Senior Associate Application Developer – Fulltime | AT&T | Hyderabad, India** Jun 2022 – Jul 2023  
Developed Highly Scalable and Configurable Angular Web Applications and Implemented asynchronous programming to enhance data access and management, resulting in a 15% improvement in data retrieval speed. Utilized GraphQL for efficient querying. Utilized PowerBI to create interactive reports, Integrated PowerBI reports into Angular applications using REST APIs and OAuth2 authentication, enhancing data visualization and user experience. Employed Power Query for data transformation, reducing data preprocessing time by 15%. Developed Highly Scalable and Configurable Angular Web Applications, Configuration-Driven Development: Utilized configuration files for complete application configurability, reducing customization time. Utilized Angular Dynamic Components to build adaptable interfaces, reducing development time by 20%. Implemented lazy loading and Ahead-of-Time (AOT) compilation for improved application performance. Designed and implemented APIs for database migration, facilitating the seamless transfer of data between different database types, resulting in a 15% reduction in data migration time and associated costs.
- Software Application Developer - Intern | AT&T | Hyderabad, India** Jan 2022 – Jun 2022  
Developed a website that facilitated the seamless onboarding of new microservices, improving efficiency and reducing onboarding time by 30%. Designed and implemented robust APIs for data management, streamlining data access and enhancing the user experience. Contributed to SharePoint and PowerApps projects dedicated to aggregating and efficiently managing employee skills, ensuring that the skills database remained up-to-date, resulting in a 20% increase in data accuracy. Collaborated on SQL and Oracle Database projects to verify user details, ensuring data integrity and security while reducing verification time by 25%. Utilized MongoDB as the project database, ensuring efficient and scalable data storage and retrieval.
- Data Science and Business Analytics - Intern | Spark Foundation | India** Aug 2021 – Sep 2021  
Algorithm Utilization: Employed a variety of supervised and unsupervised learning algorithms to address complex tasks, enabling data-driven decision-making. Exploratory Data Analysis (EDA): Conducted comprehensive EDA to extract valuable insights from data, facilitating informed model selection.

## PROJECTS

- Real-time Gender Recognition**  
Leveraging Convolutional Neural Networks (CNNs), I meticulously designed and implemented CNN architectures, achieving cutting-edge accuracy in gender recognition. I applied advanced data preprocessing techniques and employed hyperparameter tuning to optimize model configurations. Additionally, I harnessed transfer learning to enhance classification accuracy. To showcase the practicality of these models, I developed a real-time inference pipeline, highlighting proficiency in model deployment and integration.
- Immerse a music app**  
Developed a JavaScript-based music application that provides users with a seamless music experience. This app includes features such as playlist management, song selection, and playback controls, all designed to ensure a user-friendly and enjoyable music listening experience. The project showcases proficiency in web development and user interface design.
- Alzheimer's disease Detection**  
I leveraged deep learning methodologies to develop a sophisticated Alzheimer's disease detection system. By employing convolutional neural networks (CNNs) and recurrent neural networks (RNNs), I extracted intricate patterns and temporal dependencies from neuroimaging data, including MRI scans and longitudinal patient records. Utilizing transfer learning from pre-trained models and extensive data augmentation, I optimized the model's capacity to identify subtle and evolving biomarkers indicative of Alzheimer's disease progression. This project underscored my proficiency in neural network architectures, feature extraction from complex medical data, and the development of advanced diagnostic tools for neurodegenerative diseases.
- I7Architecture**  
The I7Architecture portfolio website, powered by WordPress, serves as the digital showcase for I7Architecture, a leading architecture firm. With a contemporary and elegant design, the website exhibits the firm's impressive portfolio of architectural projects, including residential, commercial, and industrial designs. Built with a user-friendly interface, the website offers an engaging experience for visitors, allowing them to explore the firm's innovative designs and expertise in architectural planning and execution. From project galleries to client testimonials, the website highlights the company's commitment to excellence in the field of architecture and serves as a testament to its creative and professional capabilities.

## PUBLICATIONS

- Alzheimer's disease Detection and Prediction Using Deep Learning IJERA: Jun 2021
- Face identification and improving process using GAN technique: An implementation network approach IJMTE : Oct 2021

## CERTIFICATES

- Natural Language Processing Specialization** by DeepLearning.AI through Coursera.
- Web Application Technologies and Django** by University of Michigan through Coursera
- Machine Learning with Python** by IBM through Coursera
- AWS Solution Architect Associate** by Simplilearn.

## EXTRACURRICULAR ACTIVITIES

- The Bronze Hand** by The Spark Foundation: Awarded for outstanding performance and knowledge demonstrated during an internship, highlighting dedication and excellence in the field.
- 3rd Place** in Project Expo by KL University: Achieved a remarkable 3rd place ranking in a highly competitive Project Expo, showcasing strong project management and presentation skills.
- 5 Star Badge** in Python by HackerEarth: Earned a prestigious 5 Star badge in Python from HackerEarth, attesting to advanced proficiency and contributions to the Python programming community.
- 44th Place** in HackerEarth Global Challenge: Demonstrated strong coding skills and problem-solving abilities by securing the 44th position in a global challenge on the HackerEarth platform.