UTKARSH KISHORE
623-399-5821| utkarshkishore2001@gmail.com | www.linkedin.com/in/utkarsh-kishore-104861297

EDUCATION

SRM Institute of Science and Technology, Chennai, India **September 2020 - June 2024**
Bachelors of Technology in Computer Science and Engineering
· **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Web Development, Data Visualization, Artificial Intelligence

Arizona State University, Tempe, Arizona **August 2024 - Present**
Masters of Science in Software Engineering
· **Relevant Coursework:** Advanced Data Structures and Algorithms, Software Verification, Validation and Testing,Cloud Computing

COURSE PROJECTS

- **Hand Gesture Communication using Deep learning and OpenCV**
· Designed and trained Convolutional Neural Network using TenserFlow and achieved an accuracy of 97%.
· Integrated it with OpenCV for real-time video capturing where hand gestures were given as input and corresponding phrase or sentence was outputted to the user.
· Built a user friendly GUI with frontend and backend where user could translate gestures into text and speech.

- **BlogDaily – > A Blogging Website**
  · Developed **BlogDaily**, a responsive blogging website where users can create, edit, and share blog posts and achieve 35% faster load page by optimised media handling.
  · Built a **React.js frontend** with React Hooks for state management and styled using **Tailwind CSS/Bootstrap** improving UI responsiveness by 40%.
  · Designed a **Node.js & Express.js backend** with RESTful APIs to handle user authentication, blog posts, and comments reducing server response time by 30% via routing and caching.
  · Used **MongoDB with Mongoose** to store user profiles, posts, and comments.
  · Enabled **post categories, tags, and search functionality** for better content organization.
  · Used **Git and GitHub** for version control and collaboration.

PUBLICATION

Plant Disease Detection and Classification using Deep Learning, *SRMIST, Chennai, India*
· Collaborated with a team of 3 and published a conference paper in IEEE on April 2024.
· Primary objective was early detection of diseases in plants to prevent use of pesticides in plants.
· Processed a dataset of 3000 images and achieved an accuracy of 98%.
· Built a CNN Model using VGG16 and ReLU(activation function) which enhanced image classification and preprocessing to enhance the quality of the image.

TECHNICAL SKILLS/ CERTIFICATIONS

Programming: C, C++, Java, Python,R, HTML, CSS, JavaScript, MERN,
AWS **Version Control:** Git, GitHub
Data Visualization: Power BI, SQL, Microsoft Office
Certifications: Machine learning Specialization by Stanford University, Analyzing Big Data with SQL