Sai Kireeti Chalamalasetty

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Objective

Highly motivated and detail-oriented Computer Science graduate student with 2+ years experience in software development, generative AI, and machine learning. Skilled in designing and implementing innovative solutions, including AI-powered 3D modeling applications and predictive analytics systems. Proficient in programming languages such as Python, Java, and ReactJS, with expertise in developing web applications and APIs. Adept at analyzing data, optimizing models, and creating user-centric solutions. Seeking a challenging role where I can leverage my technical expertise, problem-solving skills, and passion for innovation to contribute meaningfully to organizational growth and success.

Experience

Generative AI Intern, Lidvizion – Miami,FL August 2024 – Present

- As a Generative AI Intern at Lid Vizion, I remotely develop and optimize AI models for 3D object generation.
- My responsibilities include implementing deep learning algorithms, conducting experiments to enhance model quality, and analyzing results to provide actionable insights for ongoing development.
- Designed and developed a web application leveraging the Meshy API to convert images to 3D models.
- Integrated Meshy API for seamless processing and generation of 3D outputs.
- Developed a user-friendly interface to display both input images and the corresponding 3D models.
- Ensured the application handles API requests and responses efficiently using React.js and Node.js.
- Focused on maintaining code modularity, usability, and scalability for future enhancements.

Associate Analyst, Merkle – Coimbatore,Tamilnadu, India July 2022 – June 2023

- Structured survey data into categorized tables, including gender classification, region classification, rating scales, and product likeability.
- Cleaned survey datasets (.CSV, ASCII) by removing irrelevant raw data to retain only essential information for research purposes.
- Analyzed single-choice, multi-choice, and open-ended questionnaire responses for actionable insights.
- Leveraged analytical tools to transform raw survey outputs into structured tables for accurate reporting.
- Conducted thematic analysis for open-ended responses, identifying patterns and insights to support research conclusions.
- Ensured data accuracy and alignment of survey outcomes with study goals and assigned quotas.

Web developer Intern, Techfest IIT Bombay, India Nov 2021 – Jan 2022

- Designed and developed web pages showcasing a diverse range of furniture and kitchenware products.
- Created an intuitive and responsive shopping cart page to facilitate product ordering and checkout.
- Ensured proper layout and design consistency across multiple web pages.
- Tested and debugged web pages to ensure cross-browser compatibility and responsiveness.

Education

University of South Dakota, MS in Computer Science August 2023 – May 2025

- GPA: 3.5/4.0
- **Coursework:** Computer Vision, Machine Learning Algorithms, Pattern Recognitions, Data Mining

Publications

Covid Alert System: A Smart Security System to Alert Violations of Covid Protocol Using OpenCV February 2022

P.Kiran Kumar, ***CH. Sai Kireeti***, I. Durga Sindhu, B. Vidya yasaswini, A. Dhana Satish

https://link.springer.com/chapter/10.1007/978-3-030-95502-1_2

Projects

Prediction of Diabetes Mellitus using Ensembled Machine Learning Model June 2021 - April - 2022

- Developed a predictive system for early detection of Diabetes Mellitus using ensemble machine learning models, leveraging patient data such as Pregnancies, Glucose levels, and Blood Pressure for training.
- Implemented and optimized multiple machine learning algorithms, including ensemble techniques, to enhance prediction accuracy and reliability.
- Evaluated models using metrics like accuracy, precision, and recall, conducting extensive experiments to identify and deploy the best-performing approach.
- Delivered an efficient and accurate system, enabling early diagnosis and improving patient care outcomes.

Technical Skills

Languages: C, Python, Java

3D Modeling Tools: Meshy API

Data Management: Data Tabulation, Data Validation

Tools: Quantum, Jupyter Notebook, Colab notebook and Visual studio Code

Frontend Framework: HTML, CSS, ReactJS

Backend Development: Node and ExpressJS

Version Control: GitHub