Deekshith Bommarthi

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Education

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	October 2021 - June 2025
B.Tech - Computer Science and Engineering	*GPA: 7.8/10*
Vishwa Chaitanya Junior College, Hyderabad	June 2019 - June 2021
Intermediate Education - MPC	*GPA: 9.78/10*

Skills

Languages:	Python, JavaScript, Bash, HTML5, CSS3.
Technologies:	TensorFlow, Keras, Streamlit, Bootstrap, AngularJS, Git, GitHub, Axios.
Core Competencies:	Interactive Web Development, Machine Learning, System Automation, Performance Optimization, API Integration.
Soft Skills:	Problem-Solving, Attention to Detail, Communication, Adaptability, Creativity.

Projects

Versatile Web Innovations 🔗
– **Overview:** An interactive portfolio showcasing projects, including dynamic storytelling, a QR code generator, etc.:
  - **Web Development:** Used **HTML5**, **CSS3**, Flexbox, and Grid for a cohesive layout across devices.
  - **Client-Side Scripting:** Used **JavaScript** and **jQuery** for enhanced interactivity and better browsing experience.
  - **Frameworks:** Implemented **Bootstrap** and **AngularJS** for responsive design on all screens.
  - **Optimization:** Minified assets to improve load efficiency and reduce page load times.
  - **Version Control:** Used **Git** and **GitHub Pages** for project management and seamless updates.

Automated Message Dispatcher 🔗
– **Overview:** A powerful application for cloning group chats and forwarding messages, including personal saved messages, to any group on Telegram while preserving the original structure:
  - **Caching Batch Processing:** Caches messages for accessing older content and organizes them into JSON files, enabling efficient handling with robust retry mechanisms for API limits.
  - **Cloning Forwarding:** Clones group chats and forwards messages while preserving hierarchy and structure, including those from saved messages, with support for both cached and direct forwarding for real-time processing and maintaining original order.

Advanced Telegram Bots 🔗
– **Overview:** Developed a suite of advanced Telegram bots for various applications, utilizing technologies like Python, JavaScript, SQLite, and cryptography:
  - **Message Broadcasting Bot:** Built with **Python** and **SQLite**, it facilitates anonymous secret submissions, comments, likes, and broadcasts to subscribed users, ensuring privacy through encrypted storage.
  - **Web Application Bot:** Developed using **JavaScript** and **Node.js**, it offers functionalities such as weather updates, quizzes, to-do list management, and currency conversion through an Express API and Telegram bot interface.
  - **File Metadata Bot:** Leveraging **Python** and **SQLite**, it manages file uploads in group chats, stores metadata, enables file searching and pagination, and provides admin functions for feedback handling and activity logging.

Flower Detection using CNN 🔗
– **Overview:** Developed a CNN-based model for classifying flower species with key features:
  - **Model Training:** Achieved 90% accuracy with a CNN trained on a diverse Kaggle dataset, using data augmentation.
  - **Interactive Chatbot:** Integrated **FlowerBot**, increasing user interaction by 50%.
  - **Real-Time Deployment:** Deployed using **Streamlit**, reducing image recognition time to under 2 seconds.
  - **Performance Metrics:** Evaluated using accuracy, precision, recall, improving model reliability by 15%.

Application Scripts Binaries 🔗
– **Overview:** Developed standalone binaries from shell scripts and Python code for simplified deployment and automation:
  - **App Development:** Created Bash and Python apps compiled into executables using SHC and PyInstaller for efficient deployment and streamlined updates, reducing manual work by 60%.
  - **Utilities Error Handling:** Built tools for weather checks and URL shortening while improving logging and error handling to lower failure rates by 70%.
  - **Deployment:** Provided setup instructions, including Termux PATH configuration for easy installation.

Coding Profiles

Hackerrank :21241A05Z4 (6 Star Rating)	**Leetcode** :user5777yx (Rating: 1805, 400+ problems)
Codechef :deekshith2124 (Rating: 1565)	**Interviewbit** :deekshith-b_240 (Score: 24897+)

Certifications

CyberSecurity - Specialization (Coursera), Juniper Virtual Cloud Networking (Learning Portal), Full Stack Web Development (Infosys SpringBoard), Google Android Developer (AICTE), Data Analytics with Python (NPTEL), Data Science for Engineers (NPTEL), AWS Data Engineering (AWS), Full Stack Web Development (Infosys), JNCIA Cloud (Juniper), Blender Course Certificate (Spoken Tutorials), DevNet (AWS), ITN-ENSA-SRWE (Cisco).

Achievements and Activities

- Engaged in Smart Interviews for advanced product training and industry knowledge enhancement.
- Competed in major coding contests, demonstrating strong problem-solving and competitive programming skills.