JOSHITA DHANIREDDY

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Education

International Institute of Information Technology, Hyderabad	**July 2023 – Currently**
B.Tech in Computer Science and Engineering, CGPA: 8.16	*Hyderabad, Telangana*
Fiitjee Madhapur	**July 2021 - May 2023**
Higher Secondary (State Board Telangana): 97.2%	*Hyderabad, Telangana*
Oakridge International School	**April 2008 - April 2021**
Secondary (Central Board of Secondary Education): 98%	*Hyderabad, Telangana*

Skills

Languages: C, Python, HTML/CSS, Javascript, SQL, Arduino, x86 Assembly
Frameworks & Libraries: Flask, React.js, Node.js, Express.js, Microsoft Bot Framework SDK, BioBERT
Tools & Platforms: MongoDB, ThingSpeak, Git, VSCode
Soft Skills: Team Collaboration, Discipline & Drive, Time Management, Good Speaking & Presentation Skills, Multitasking, Creativity

Relevant Coursework

Data Structures & Algorithms, Operating Systems & Networks, Database Management Systems, Web Development, Data Visualisation, Machine Learning, Information Security (including ML Security)

Experience

Clinical Note Analyzer for Indian Healthcare　　　　　　　　　　　　　　　　**2025 – Currently**
Undergraduate Research Project - Data Sciences and Analytics Centre (DSAC), IIITH　　*Python, SciSpacy, BioBERT, Coqui TTS*
- Developing a proof-of-concept pipeline to process Indian clinical notes (SOAP, discharge summaries, lab reports) using OCR, NER, and multilingual tools.
- Implementing modules for entity extraction, inconsistency detection, translation to Indian languages, and text-to-speech summaries.

Slack and MS-Teams Bot for UExcelerate　　　　　　　　　　　　　**February 2025 - May 2025**
Collaborative Development Project　　　　　　　*Slack SDK, Microsoft Bot Framework SDK, Gemini API*
- Collaborated and developed chatbot integrations for uExcelerate's coaching platform on Slack and Microsoft Teams.
- Implemented features such as coach search, goal creation, and session scheduling via interactive cards and integrated the bots with uExcelerate's APIs.

Projects

Working Bash Shell | *C*
- Implemented a Bash shell via system calls with features including command execution, I/O redirection, background processes, and signal handling.

Distributed Network File System | *C*
- Collaborated with a team to create a distributed file system, utilizing TCP sockets for communication.
- Implemented features for file sharing, locking, and synchronization across multiple nodes.

Buy-Sell Platform for IIIT-H Students | *MERN Stack (MongoDB, Express.js, React.js, Node.js)*
- Developed a full-stack web application to facilitate buying and selling among students within the IIIT-H community.
- Implemented features including user authentication, OTP verification, product listings, and search functionality.

Indoor Air Quality Monitoring System | *Arduino, ThingSpeak, CSS, HTML, JavaScript*
- Collaborated on an IoT system to monitor indoor air quality and obtain real-time AQI data from a node deployed at THub.
- Designed and developed an adaptive dashboard for individuals to effectively monitor AQI metrics.

Image to Video Converter | *React, Flask, HTML, CSS, Javascript*
- Collaborated with a team to create an online images to video converter with user authentication, transition & animation adding functionalities, and audio adding functionality.
- Deployed the website on Render.

Extra - Curriculars

Design Team	**January 2024 - Present**
Art Society - IIIT Hyderabad	*Hyderabad, Telangana*

- Organised art events & designed posters, contributing to the creative community at IIIT Hyderabad.
- My passion for art and design (both digital and traditional) help me approach problems with innovative solutions.

Kuchipudi Dancer	**2009 - 2018**
Natya Tarangini	*Hyderabad, Telangana*

- Trained rigorously as a kuchipudi dancer for 9 years at the institute.
- Developed discipline, focus, and teamwork that motivates my work ethic.

Volunteer	**September 2023 - Present**
Campus Canine Club, IIIT Hyderabad	*Hyderabad, Telangana*

- Help feed, treat and vaccinate our beloved campus dogs,
- Believe & advocate for animal welfare.