Apoorva Gondimalla

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Education

B.E.(Hons.) Computer science and M.Sc.(Hons.), Chemistry BITS Pilani Goa | 2015-Present | GPA:8.32/10

Class XII
Sri Chaitanya Junior College | 2013-2015 | 97.3 %

Class X
KKR's Gowtham concept school | 2012-2013 | 9.7/10

Skills

Languages: Python, C++, Pytorch, Java, SQL, Basics of C#.
WebDev : HTML, CSS, JS
Modelling : Arduino, RaspberryPi, NodeMCU
Software Tools : Unity, Android Studio, Eclipse, Net Beans

Extra-Curricular

Core member of BITS Alumni Affairs Division
- Co-supervised the first 'Reunion' event conducted by BITS Goa for early alumni batches

Member of Student Faculty Council, Department of Chemistry, BITS Goa

Environmental Protection and Awareness Club, BITS Goa. Engaged in a project to make quality manure with effective combinations of bio waste for growing specific plant types.

Grade 6 (practical and theory) in Piano with certification from Trinity College London.

Proficient in Flute.

Interests

Human computer interaction, AR/VR, Intelligent interfaces

Work Experience and Internships

Jan-Jun'20 Associate - Samsung R&D Institute | Bangalore
Developed an action recognition model for detection of peak events in a video with low computation, latency and model size feasible for on-mobile deployment

Jul-Dec'19 Research Assistant - International Institute of Information Technology | Hyderabad
Worked on sequential action recognition from RGB videos by developing deep learning models to enable automated surveillance system for an automobile company

Jun-Jul'19 Internship - International Institute of Information Technology | Hyderabad
Designed & developed a unity game with kinect integration to hasten physical therapy for rehabilitation of Stroke patients

Jun-Jul'18 Internship - Bharat Dynamics Limited |Kanchan Bagh
Designed and developed a web application for visitor gate-pass system compatible for integration of data from multiple branches into a single database.

Jun-Jul'17 Internship - National Informatics Centre | Hyderabad
Developed a real time video conferencing web application for internal usage with storage and retrieval of the videos

Research and Projects

Jan-Apr'19 Nutrient deficiency detection from leaf image using convolution neural networks
- Worked on identification of deficient nutrient in plants based on the colour patterns on leaf image using convolution neural networks.
- Developed an android application for user to upload requests with data storage in firebase

Oct-Dec'18 Emotional context-aware text-to-speech conversion
- Using Emotion prediction models from text, developed a context aware emotion recognition model.
- Studied effective variations of principal speech parameters in Text-to-Speech synthesizer,Mary TTS and developed a prototype for emotional speech generation based on the context and intensity of emotion of a given text in a story

Nov'18 Duplicate content detection
- Detection of suspicious documents in a corpus based on given source documents using near-duplicate content detection techniques

Jan-Apr'18 Study of efficient design model for solar power technology
- Analyzed relation of design structures of solar cookers with variation in environment. Further analysed performance data of a compound parabolic collector working model at University of Pune, India.
- Deduced effects of changes in climatic and machine parameters on efficiency

Scholarships and Events

INSPIRE-SHE Scholarship holder, Department of Science and Technology, Government of India awarded to top one percentile merit students.

Invited to Google Tech Intern Connect-2019 at Hyderabad, India.