Sravanthi N.D.P.

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ACADEMIC DETAILS

Bachelor of Engineering *Computer Science & Engineering*   2017-2021
P.E.S.Institute of Technology, Bangalore   Overall CGPA: **9.09**
Vishvveswaraya Technological University

FIELDS OF INTEREST

- Artificial Intelligence, Natural Language Processing, Computer Vision

TECHNICAL SKILLS

- **Operating Systems** (Unix, Windows), **Languages** (C, C++, Java), **Database** (MySQL), **Script** (Python, Shell), **Tools** (MATLAB/Octave, NS2, HELib, SPAN), **Web Dev** (HTML, CSS, Javascript)

INTERNSHIPS

- **PESU Research Center**   **Mar'21 - Apr'21**
  - Evaluated the feasibility of Homomorphic Encryption as an End-to-End solution for Fitness Trackers .
  - Carried out literature survey covering the existing security issues in the field of Internet of Things
  - Investigated the accuracy of Homomorphic operations over fitness tracker dataset using HELib.

- **Vincere Solutions Pvt. Ltd.**   **Apr'19 - Aug'20**
  - Planned and designed application for preliminary testing of dementia in the elderly.
  - Collaborated with psychiatrists at Government hospitals for testing and trial of intellectual disability diagnosis application KRIDA.
  - Integration of video transcoding service Coconut using NodeJS for prototype of video streaming application.

- **Merahkee Technology Solutions Private Limited.**   **Jul'18 - Oct'18**
  - Literature survey of face detection techniques and the classifiers used.
  - Used OpenCV to implement face detection for live webcam feed.
  - Carried out and presented comparative study of facial recognition software applications available in the market.

MAJOR PROJECTS

- **Automated Question Set Generation from Video Lectures** *(Guide: Prof. Pooja Agarwal)*
  - Implemented a model that takes diarized transcripts as input and generates questions in an answer-agnostic manner using SCIBERT checkpoints.
  - Model successfully generates a single question per text segment, giving an overall BLEU score of 5.12
  - Paper accepted to be presented at the **Sixth International Conference on Information and Communication Technology for Competitive Strategies**, December, 2021 at Jaipur, India.

RELEVANT COURSEWORK

- Artificial Intelligence, Machine Learning, Data Mining, Big Data Analytics
- System Modelling & Simulation, Design and Analysis of Algorithms, Data Structures
- Operating Systems, System Software & Compiler Design, Advanced Computing Architecture

TECHNICAL EVENTS

- Microsoft Online AI-Gaming Event, 2020 - Created a gaming bot using Microsoft AI services for a live AI tournament.
- Online Technical Quiz, Flipkart GRiD 2.0, 2020 (Top 20 teams in Institute).
- Cisco IoT Hack, 2018 - Developed a wearable device for detection of overexposure to UV rays.

EXTRACURRICULARS

- Active blogger on WordPress and Medium.
- Placed 1st in online Elocution SpeakUp.
- Content writing and social media marketing for intercollegiate hackathon, inGenius 2019.
- 1st runner-up for Times Fresh Face Talent Hunt.
- Placed 1st in Battle of Bands for Inter Departmental Fest.