DEEPSHI GARG

Third Year Undergraduate, B.Tech, Systems Science
Indian Institute of Technology, Jodhpur
Email : ug201313008@iitj.ac.in
Phone : +91-9529192344
Website: http://home.iitj.ac.in/~ug201313008/

EDUCATION BACKGROUND

Examination	Institute	Year	CGPA / %
B.Tech , Systems Science (3rd Year)	Indian Institute of Technology, Jodhpur	2017	8.63
Intermediate	St. Thomas School	2012	93
Matriculation	St. Thomas School	2010	9.6

SUMMER INTERNSHIP - FRAPPE TECHNOLOGIES LTD [May 2016 - July 2016]

Support Bot - Neural Network Implementation

- Developed a support bot to help the users with their queries, taking answers from the discussion forum and documentation
- Framed the problem using the concepts of artificial intelligence
- Implemented artificial neural networks in Python
- Algorithm was written such that the bot will learn the weights of different parameters based on certain trained inputs
- Handled a very large database in PostgreSQL
- Developed a GUI using Javascript and AJAX **.** Software works in 2 modes : Trainer and User
- Extra features like storing conversation logs, saving user details, intake of feedback, and keeping track of unanswered questions

PROJECTS

Video Based Interface to Textual Information   *[Dr. Gaurav Harit]*

- Developed of an interface to textual information for the visually impaired that uses video, image processing, optical character recognition and text to speech
- Low resolution frames were extracted from the video, which were mosaiced together and thus, enhanced using binarization
- Used PyTesseract for OCR, Google's text to speech for tts and various other Python libraries for image processing

Financial Grant Management System (ERP Software)   *[Prof. Chiranjoy Chattopadhyay]*

- Web application to manage the financial assistances granted to the Professors and research scholars of IIT Jodhpur.
- Developed using the object oriented techniques of PHP and front end developed in Bootstrap, HTML and CSS, and database managed in MySQL.
- Implemented features like uploading and downloading of files on the portal, session creation and sending emails

RELEVANT COURSES

- Software Engineering
- Data Structure & Algorithm
- Algorithm Design & Analysis
- Operating System
- Computer Networks
- System Design*
- System Thinking & Modeling

- Compute Organization & Architecture
- Object Oriented Programming & Analysis
- Theory of Computation
- Probability & Statistics
- Compiler Design
- Dynamical Systems*
- Financial Engineering

*Currently pursuing

TECHNICAL SKILLS

- **Programming Languages well known :** C, C++, PHP, Python, MySQL
- **Familiar With :** Javascript, AJAX, JSON, HTML, Bootstrap, CSS

POSITIONS OF RESPONSIBILITY

- Festival Coordinator (SPANDAN - 2015)
- Financial Convener (Cultural Council)
- Finance Head (SPANDAN - 2014)
- Coordinator (Fine Arts Society)

- Google Developers Group Jodhpur (Core Member)
- Literature Society (Core Member)
- Drama Society (Core Member)
- Pheme - Newsletter (Content Team)