

AMISHA KUMARI

Department of Computer Science and Engineering
Mody University of Science & Technology

WORK EXPERIENCE


FULL STACK DEVELOPER

 Sept 2020 – Present

Development Bank of Singapore (DBS)

- Developed application using Object Oriented Programming **Java** and **J2EE technologies**
- Implemented designs into responsive HTML5/CSS3 templates, using React.js, Flux, Redux and Node.js to build single - page web application.

SOFTWARE ENGINEER INTERN

 Feb 2020 – July 2020

Honeywell, Bangalore, India

- Contributed in developing Aviation Speech Recognition Engine using artificial intelligence

SOFTWARE TRAINEE

 Oct 2019 – Dec 2019

Flipkart, India

- Got trained in industry-relevant technology skillsets through a curriculum delivered by technologists from Flipkart

DATA SCIENTIST


 June 2019 – July 2019

Smart4Talent, Gurugram, India

- Developed an NLP framework to accurately structurize the job descriptions

PROJECTS

NOTAM (Notice to Airmen) PARSER FOR AVIATION


 Jan 2020 – July 2020

Introduction: It extracts useful information from NOTAM and stores it in the database.

Enabled with a query module, where we can perform SQL queries in natural language to fetch information which is relevant to the flight and can visualize it in 3D.

Objective: Alerting pilots to hazards along their routes (in the air and on the ground).

VIRTUAL CONTROLLER USING HAND GESTURES

 Aug 2019 – Oct 2019

Prof. Hitesh Jangir

Introduction: It is a "Zero Cost" hand recognition system for laptops, which determine the hand movements by assigning an action for each movement.

Description: Includes virtual mouse and virtual keyboard (using CV2 module).

Objective: No use of hardware hence reduced cost.

TODO APP: Web Development using Django

 Aug 2018 – Nov 2018

Prof. Puneet Gupta

Introduction: The TODO APP is a simple to-do list that makes it easy to keep your entire day's work organized.

Description:

Language: Python Programming (IDE - Pycharm)

Front-end: HTML, CSS, Bootstrap and JS

Back-end: Django

MINI PROJECTS

- Notepad (pure Java based)
- "Book My Maid" dynamic website for hiring housemaid (S/W - XAMPP)
- Vending Machine using Mealy & Moore FSM (Hardware Model)
- Demonstration of Input Buffering for efficient working of Lexical Analyzer

ACHIEVEMENTS

- 2019 **Asia & Pacific Region Rank-95 (IEEE XTREME 13.0 Hackathon)**
- 2018 Secured 2nd position in MUST WIE Women Coding Competition
- 2018 Secured 1st position in Hacking Competition organized by i3indya
- 2014 Selected as Kishore Vaigyanik Protsahan Yojana (**KVPY**) Fellow
- 2013 Winner of **Gargi Award** (GA Scheme Rajasthan)

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ACADAMIC DETAILS

 **Bachelor of Technology Computer Science & Engineering**
SET, Mody University, Sikar

(Full-ride Scholarship)  2016 – 2020

RESEARCH

Finding Hidden Signature Information in Human Gait using Machine Learning.
(ongoing)

HACKATHONS

DBS HACK2HIRE [Runner-up]
Developed a python-based Investment Recommendation Engine

CLUB MAHINDRA [Rank 14/4231]
Performed statistical analysis (ANOVA Analysis). Developed in depth features using categorical variables. Used Random forest regression.

AmExpert decipher [Rank 30/1708]
Women ML Hackathon
Packages Used: dplyr - 0.8.3, ggplot2-3.2.0, caret- 6.0-84, randomForest.

DS FINHACK [Rank38/5447]
Developed a model for "L TFS Loan Default Prediction". Used logistic classification with grid search.

TECHNICAL SKILLS

Data Structures Ethical Hacking

PROGRAMMING

Python Java C Julia CPP

DATABASE MANAGEMENT

MySQL Big Data Hadoop

WEB DEVELOPMENT

HTML5 CSS JavaScript React JS

CO-CURRICULAR

- Presented a **review paper on Quantum Computing at International Conference** on Computing (IC3NS-2018)
- President of IEEE Branch of Mody University (SBC18181A)
- Managing "Karuna Society MUST" to teach 97 under privileged children
- 3 Gold Medals in Volleyball