AMISHA KUMARI

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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

WEB DEVELOPER   📅 Jun 2019 – July 2019
Collegedunia Private Limited
- Build re-usable code for future use by ensuring the technical feasibility of UI designs.

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).

RESUME SHORTLISTING ENGINE   📅 Aug 2019 – Oct 2019
Prof. Hitesh Jangir
Introduction: An NLP framework to accurately structurize the job descriptions.
Objective: Encourage diversity and reduce unconscious bias from job bulletins.

VIRTUAL CONTROLLER USING HAND GESTURES   📅 Aug 2018 – Nov 2018
Prof. Puneet Gupta
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.

MINI PROJECTS
- Notepad (pure Java based)
- Bug Tracker
- 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)

ACADAMIC DETAILS

🎓 **Bachelor of Technology Computer Science & Engineering**
SET, Mody University, Sikar
📅 2016 -2020

(Full-ride Scholarship)

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 "LTFS Loan Default Prediction". Used logistic classification with grid search.

TECHNICAL SKILLS

Data Structures | REST Web Services
Java | CPP | C | HTML5 | CSS
MySQL Database | Big Data Hadoop
Node.JS | JavaScript | React JS

CERTIFICATIONS

- Microsoft Certified: Azure Developer Associate
- React certification: Full Stack Development
- MariaDB Database Certified