GAURAV HARAL

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EDUCATION

Pace University, *New York, USA* ***December 2022***
Master of Science in Computer Science
GPA: 3.67/4.0 | Honors: Graduate Merit Scholarship for Academic Performance

University of Pune, *Maharashtra, IN* ***June 2020***
Bachelor of Engineering
Grade: 7.14/10, First Class

RELEVANT WORK EXPERIENCE

Application Developer, *Pace University, New York, USA* ***May 2021-September 2021***

- Assisted in development of amazon-mock website and managed datasets having 750M+ data.
- Generated dashboards using Tableau, performed analysis on records to minimize the expenses and optimize the business process, predicted future sales, and presented to executives to bolster decision making process.
- **Tools &Technologies used: Python, React.js, Microsoft SQL server, Tableau, HTML, CSS, express.js, Node.js**.

Summer Intern, *Kaizen Soft Services, Maharashtra, IN* ***May 2018-August 2018***

- Administered ecommerce web applications for local businesses displaying their products and assisted them in obtaining customer insights. Also, Normalized server databases with 1M+ orders for 4M customers.
- **Tools &Technologies used: Tableau, Node.js, Microsoft SQL server, HTML, CSS**.

ACADEMIC PROJECTS

Photography Studio Project ***January 2022-March 2022***
Built a conceptual, logical, and physical database model for a photography studio as well as generated and managed its data dictionary. Developed and enforced data standards and application program standards, as well as established methods for DBMS startup to ensure smooth database operations, transaction logging, periodic backups, security, and authorization procedures using oracle database.

Mystore Ecommerce Shopping Website ***November 2021-January 2022***
Developed a fully operational responsive website compatible with all screen sizes and browser types using REDUX, Stripe and JWT in front end and Node.js, REST API and Mongo DB in backend.

Online Book Recommendation System ***August 2021-October 2021***
Created a book recommendation system using KNN-based and hybrid (Content Based + Collaborative Based) techniques. Also, the final prediction system progressed in outperforming the individual system with an accuracy of 85.98 percent, precision of 89.10 percent, and recall of 92.34 percent.

Speech Emotion Recognition Project ***July 2021-August 2021***
Designed speech emotion recognition model initializing an MLPClassifier and educated model boosting its efficacy by 95% using libraries librosa, soundfile, and Scikit-learn.

Development of Solar E-bike ***April 2019-March 2020***
Led team of 5 and published research paper in advancement of working energy efficient “Solar E-bike”. Built a Prototype that had capacity of carrying total maximum weight 275.57 pounds including weight of battery, motor, and solar panel. The e-bike could travel maximum distance of 35km and could achieve maximum speed of 30 km/hour with its battery fully charged.

PROGRAMMING SKILLS

Experienced: Python, Java, SQL, HTML, CSS, JavaScript, Oracle DB, GitHub, dBvisualizer, Kafka.

Skillful: Node.js, React.js, Tableau, IBM Cloud Services, RESTful APIs, Google Big Query, MS SQL server, Weka.

Beginner: Microsoft PowerBI, Agile Methodologies, MongoDB, Elasticsearch.

RELEVANT COURSEWORK

Artificial Intelligence | Algorithms & Computing Theory | BigData Warehousing| Advanced Java| Data Mining | Database Management Systems | Internet Computing | Pattern Recognition |Cloud Computing

MISCELLANEOUS

Certifications: Data Science (IBM), C++ Programming (ISO), Bug Bounty Hunting (Udemy).

Other employment experiences: Student Usher (Pace University), Student Tech Assistant (Pace University).

Interests: Mathematics, Metaphysics, Swimming, Badminton, Table Tennis.