Ritesh Gupta

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EDUCATION

IIT HYDERABAD
MTech in Computer Science
Grad. June 2021 | Hyderabad, Telangana
CGPA: 8.79 / 10.00

GRAPHIC ERA UNIVERSITY
BTech in Computer Science
Grad. June 2018 | Dehradun, Uttrakhand
CGPA: 7.58 / 10.00

COURSE WORK

Adv Data Structure and Algorithm, Adv Machine Learning, OS, Data Mining, IoT

SKILLS

PROGRAMMING LANGUAGES
Proficient
C++ • C#• Python •React • Javascript
Familiar
Java • Node.js • HTML/CSS

DATABASE TECHNOLOGIES
Proficient
SQL Server
Familiar
MongoDB

ML LIBRARIES
Proficient
PyTorch •SciKit-Learn• OpenCV

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CORE PLACEMENT COORDINATOR | IITH 2020.
Coordinated with a team of 30 members for the placement of 450+ students, with PoC for 10 companies.

TEACHING ASSISTANT
CC 5533 : Adv Computing, Fall 2019.
CS 2323 : Computer Architecture, Autumn 2018 and 2019.

EXTRA CURRICULAR ACTIVITIES

- Organized Farewell 2019 and Freshers' 2019.

WORK EXPERIENCE

SOFTWARE ENGINEER AT ZENOTI INDIA | Jul'21- Nov'22
- Contributed to the development of Zenoti Payment V2 reports, resulting in a 50% improvement in data retrieval efficiency.
- Designed and implemented a streamlined Dispute Evidence submission workflow to assist merchants in defending against disputes.
- Created an Auto Reconciliation tool that allows merchants to view collection and deposit information in a single report and identify any discrepancies between deposit dates and deposit history.
- Developed a monthly scheduler for collecting customer transactions and dispute fees..

RESEARCH INTERN AT REDPINE SIGNALS | Aug'18- May'21
- Successfully developed and deployed a vehicle number plate detection and identification system using RetinaNet. The system was trained on a real-world dataset that was hand-curated for improved accuracy.
- Designed and implemented a space optimizer that reduced the size of Machine Learning models by 30 times. The space optimizer was developed to deploy the Machine Learning models on edge devices with less compromising with accuracy. Github.

PROJECTS

EARLY CANCER DETECTION USING GENOMICS DATA | Thesis | May'20- May'21
- Designed a groundbreaking cancer classification model capable of accurately identifying and classifying different types of cancer.
- Established a relationship between a subset of genes that exhibit similar behavior across a subset of individuals using Bi-Clustering techniques. This approach was used to gain insights into the underlying biological mechanisms driving cancer development.
- Utilized various technologies including Python, Pytorch, and Scikit-learn.

NAVIGATION AND REDIRECTION OF VIDEOS | Aug'17- May'18
- Designed an intuitive and user-friendly e-learning interface that enhances the learning experience for users.
- Developed a feature that enables users to easily navigate to other videos or specific sections within a video based on the keywords/chapter mention by tutor, thus improving retention and understanding.

INFOSYS BANKING MANAGEMENT SYSTEM | Apr'17- May'17
- Designed and implemented a comprehensive mini banking system with all the necessary operations, including financial transactions, customer accounts, and banking operations.
- Developed robust security features for the banking system, including password protection, account lockout after 3 incorrect password attempts, and mandatory password changes after a set number of days. Additionally, an admin reviews account access requests.
- Utilized Python and Oracle DB technologies.