

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,
Uttarakhand
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.
- Implemented an optimized Dispute Evidence submission workflow resulting in a 30% increase in dispute submissions.
- Designed an Auto Reconciliation tool to streamline collection and deposit tracking, reducing escalation tickets by 25% through efficient identification of discrepancies in deposit dates and history.
- Created a robust monthly scheduler to streamline the collection of customer transactions and dispute fees.

RESEARCH INTERN AT REDPINE SIGNALS | AUG'18- MAY'21

- Achieved 90% accuracy by developing and deploying a cutting-edge vehicle number plate detection and identification system using RetinaNet trained on a hand-curated real-world dataset.
- Built a space optimizer that reduced the size of Machine Learning models by 30 times. The space optimizer was crafted 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

- Developed an innovative cancer classification model achieving an impressive accuracy of 81.4% in accurately identifying and categorizing various types of cancer.
- Enhanced cancer classification to 81.4% from 79.8% accuracy by leveraging Bi-Clustering techniques to establish gene behavior relationships across individuals. Gained valuable insights into cancer development mechanisms.

NAVIGATION AND REDIRECTION OF VIDEOS | AUG'17- MAY'18

- Transformed e-learning interface to deliver an intuitive and user-friendly experience, resulting in a 25% increase in user satisfaction.
- Implemented video navigation feature, reducing search time by 40% and enhancing comprehension and retention, leading to more efficient and effective learning.

INFOSYS BANKING MANAGEMENT SYSTEM | APR'17- MAY'17

- Engineered and deployed a robust, user-friendly mini banking system for 100+ customers, processing 500+ daily transactions. Resulted in a remarkable 20% increase in customer satisfaction with a secure interface and enhanced usability.
- Streamlined banking operations, reducing processing time by 30%. Automation and optimized functionalities improved efficiency and productivity, leading to smoother operations and elevated customer experiences.