

# Indian Institute of Technology, Madras

NAME: RAVISH KUMAR

ROLL NO: CS23M055

## EDUCATION

| PROGRAM                                 | INSTITUTION  | %/CGPA  | Passing Year |
|---|--|---------|--------------|
| M.Tech, Computer Science Engineering    | Indian Institute of Technology, Madras                       | 8.12/10 | 2025         |
| Bachelors, Computer Science Engineering | Indian Institute of Information Technology Sricity, Chittoor | 7.71/10 | 2021         |
| XII                                     | Radiant International School, Patna                          | 82.2%   | 2017         |
| X                                       | Radiant International School, Patna                          | 10/10   | 2015         |

## SCHOLASTIC ACHIEVEMENTS

- AIR-1517 GATE CSE 2023

## RELEVANT COURSEWORK AND SKILLS

- Data Structures and Algorithm
- DBMS
- Enterprise Application Development
- GPU
- Deep Learning
- PRML
- Technologies:**C++, Python, CUDA, JavaScript, MongoDB, AWS RDS, Docker, HTML, CSS, Nginx, Travis Ci
- Frameworks & Libraries:** Numpy, Pandas, PyTorch, ReactJS, React Native, ExpressJS, NodeJS, Flask
- Practices & Project Management:**Object Oriented Programming, Github

## PROFESSIONAL EXPERIENCE

- Senior Quality Engineer - L&T Infotech** July 2021 - July 2022
- Worked in performance testing domain
  - Hands on experience on LoadRunner and Jmeter

## INTERNSHIPS

- Fidelity Investments - Data Science Intern** May 2024 - July 2024
- Worked on various model calibration methods like spline calibration, isotonic regression and platts calibration
- NCHIPC - National Critical Information Infrastructure Protection Centre** May 2020 - July 2020
- Worked on ELK stack
  - Hands on experience of Security Onion

## PROJECTS

- Feed Forward Neural Network** Feb 2024 - Mar 2024
- Implemented Feed Forward Neural network from scratch
  - Implemented backpropagation algorithm supporting multiple optimization functions such as momentum based gradient descent, nestrov accelerated gradient descent etc
  - The network is trained and tested on Fashion MNIST dataset
- Legal Assistant** Feb 2020 - Dec 2020
- A legal document retrieval system
  - Made an intuitive UI using ReactJS and REST API using Flask
  - Made the production grade software using Docker-compose, Nginx, uWSGI
- Cloud Computing Project** Feb 2020 - Apr 2020
- Made a static event planner website using ReactJS, NodeJS
  - Containerized the complete project using docker and built docker images
  - Routed the request through nginx server
  - Used AWS Beanstalk to host the website
  - Used AWS RDS as the database
  - Got hands on various cloud services such as AWS VPC, AWS S3
- News Room** Sept 2019 - Dec 2019
- This is a news website
  - Any user can post their content or news
  - Worked on complete backend development
  - Made REST API using NodeJS
- Digital College** Sept 2018 - Dec 2018
- This is a web app like google classroom
  - Addition to it any college can create a club
  - Faculty can conduct various online quizzes
  - Worked on user authentication and validation

- Worked on the frontend using HTML, Materialize CSS, Bootstrap, Django REST API

#### **OTHER HIGHLIGHTS**

- Language Proficiency: English, Hindi
- Completed the course of CEH v10 by EC-Council in 2020