

RAHUL KALAISELVAN

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ACADEMIC QUALIFICATIONS:

- Pursuing master's degree in Computer science at The University of New Mexico, Albuquerque, United States.
- Bachelor of technology in Computer science & engineering at SRM Institute of Science and Technology, India.

TECHNICAL SKILLS:

- **Programming Languages:** Python, Java, JavaScript, C++, R, C, HTML, CSS, TypeScript, Haskell and PHP.
- **Tools and Libraries:** Worked with Vue, Node JS, Angular 6, Android studio, Selenium (Web automation), NumPy (Python), Scikit-Learn, Pandas, Seaborn plotting tool.
- **Other tools:** Microsoft Office suite.

PROJECTS:

- Built a decision tree classifier using ID3, CART and CHAID without external libraries. (Python, Pandas)
- Crime rate analysis using urban data of an area using machine learning algorithms. (Python, Matplotlib, Pyspark, Scikit-learn, SVM, linear regression)
- Developed a Chat application, enabling multiple systems to chat with each other using Java socket programming and java swing UI. (2019)
- Simulated a computer network and implemented Dijkstra algorithm, broadcasting techniques using Python socket programming. (2019)
- Developed a Python based application for storing, retrieving and maintaining medical records using SQL database and Tkinter. (2017)
- Implementation of Naive Bayesian and K-mean clustering data mining algorithms.
- A text scrambler to encrypt/decrypt text files on our personal computer. (2019)
- Simulating series of Blackjack games using pre-defined strategy. (2019)

CERTIFICATES AND COURSES:

- Getting started with Python - University of Michigan (Coursera).
- Introduction to HTML 5 - University of Michigan (Coursera).
- In-plant training in Hewlett Packard Enterprise.
- Certificate of appreciation for attending a practical demo on Ethical Hacking at Wikitechy.
- Event organizer/planner in Milan 2018 at SRM IST. (2018)
- Internship at Kaashiv InfoTech.