

P Keerthi

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EDUCATION

- **Aurora's Technological and Research Institute** Uppal, Hyderabad
Bachelor of Technology in Computer Science; CGPA: 7.12 Aug 2019 - Jul 2023
- **Maitri Vidya Niketan** Bhilai, Chhattisgarh
Higher Secondary; CGPA: 7.1 Jun 2017 - Mar 2019

HANDS ON EXPERIENCE

- **Monthly Rainfall Prediction using Wavelet Analysis** Sep 2022
Skills used: Python, Machine Learning
 - **Description:** Developed as a mini industry-oriented project, this undertaking aimed to predict monthly rainfall patterns using Wavelet Analysis, a powerful signal processing technique.
- **Android Malware Analysis using Genetic Algorithm** Jun 2023
Algorithms and Tools used : Genetic Algorithms, Support Vector Machine (SVM)
 - **Malware Family Classification:**
 - Extended the project to include the classification of malware samples into specific families based on their behavioral and structural similarities.
 - Implemented clustering techniques to group similar malware samples, providing insights into prevalent malware families and their potential impact.
 - **Real-time Detection System::**
 - Transformed the analysis into a real-time Android malware detection system, capable of identifying threats as they are encountered by users.
 - Optimized the system for efficiency and low latency to ensure minimal impact on device performance.
 - **Big Data and Scalability:**
 - Explored techniques to scale the analysis to handle large-scale Android application repositories and diverse datasets.
 - Leveraged big data technologies to process and analyze vast amounts of data efficiently.

SKILLS SUMMARY

- **Languages:** Java, C++, Python, MySQL, PHP
- **Web Technologies:** HTML, CSS, Javascript, BootStrap
- **Tools:** GIT, GitHub

RELEVANT COURSEWORK

- **Android Development:** Mobile Apps, Java/Kotlin
- **Web Development:** HTML, CSS, Javascript, BootStrap
- **Software Engineering:** OOP, SDLC, Testing
- **Database Management System:** SQL, Database Design
- **Operating System:** Windows, Linux, Troubleshooting
- **Machine Learning:** Algorithms, Data Preprocessing, Supervised/Unsupervised
- **Networking:** Protocols, Troubleshooting, Network Devices
- **Data Analytics:** Visualization, Exploratory Analysis, Statistical Techniques

HOBBIES AND INTERESTS

- **Creative Hobbies:** Drawing, Painting, Digital Art, Photography, Writing, Graphic Design
- **Technology:** Coding Projects, DIY Electronics.
- **Cooking and Baking:** Exploring new recipes and experimenting in the kitchen.

LANGUAGES KNOWN

English, Hindi, Telugu, Malayalam