

	<div><div>Ramgopal Hariharan</div><div>Coimbatore, Tamil Nadu LinkedIn +91-8489503132 rg2792002@gmail.com GitHub</div></div>	
EDUCATION		
<div><div>Vellore Institute of Technology, Vellore</div><div>BTech in Computer Science and Engineering</div><div>CGPA: 8.94</div><div>Delhi Public School, Coimbatore</div><div>Central Board of Secondary Education</div><div>Class X (CBSE): 93.00%</div><div>Delhi Public School, Coimbatore</div><div>Central Board of Secondary Education</div><div>Class XII(CBSE): 95.00% (Physics, Chemistry, Mathematics and Computer Sc.)</div></div>	<div><div>Vellore, Tamil Nadu</div><div>Expected Graduation: 2024</div><div>Coimbatore, Tamil Nadu</div><div>Graduation Year: 2018</div><div>Coimbatore, Tamil Nadu</div><div>Graduation Year: 2020</div></div>	
CERTIFICATIONS		
<div><div>AWS Solutions Architect Associate Certified</div><div>July 2023 - 2026</div><div><ul style="list-style-type: none">Successfully passed the AWS Solutions Architect Associate Examination, demonstrating proficiency in designing and deploying scalable and reliable applications on the AWS cloud platform.Acquired in-depth knowledge of various AWS services, including compute, storage, databases, networking, and security, highlighting expertise in architecting robust and cost-effective solutions.Demonstrated competence in cloud cost optimization, ensuring efficient resource utilization and cost-effective cloud solutions.Proactively pursued continuous learning and professional development, staying up-to-date with the latest cloud computing trends and advancements.</div></div>		
PROJECTS		
<div><div>Web Application for MFCC-based Recurrant Neural Network for Automatic Depression Detection</div><div>2023</div><div>Technologies Used – Python [Jupyter Notebook], Librosa, Tensorflow, Node JS, React Js, CSS</div><div>Architecture:</div><div><ul style="list-style-type: none">Implemented a seamless web application employing Python, Node.js, and React.js to provide a user-friendly interface for depression assessment.Successfully trained the deep learning model on the challenging DIAC-WOZ dataset, demonstrating expertise in data preparation and model development.Showcased strong problem-solving skills by addressing complex challenges in speech processing and achieving high accuracy in depression assessment.Collaborated with a team to ideate, design, and develop the application, showcasing excellent teamwork and communication skills.</div></div>		
<div><div>Timetable Generator Using Genetic Algorithm</div><div>2022</div><div>Technologies Used- Python, Tensorflow, Librosa, ReactJS, Node JS, Tailwind</div><div><ul style="list-style-type: none">Designed and implemented a robust Python backend capable of executing the Genetic Algorithm, ensuring efficient timetable generation by considering various constraints and preferences.Utilized Genetic Algorithm's evolutionary principles to intelligently search for the best timetable configurations, taking into account course preferences, time slot availability, and potential clashes.Successfully handled complex scheduling scenarios, such as overlapping courses, limited resources, and individual course priority settings, enhancing the application's usability and adaptability.</div></div>		
<div><div>Task Manager</div><div>2023</div><div>Technologies Used: Node.js, Express.js, Angular, Mongo DB</div><div>Architectures Used: Node.js, Express.js and JavaScript-based Architecture</div><div><ul style="list-style-type: none">Designed and implemented the user interface using AngularJS and Bootstrap, providing an intuitive and responsive user experience.Implemented the server-side logic and data handling using the MVC architecture, utilizing MongoDB as the database to store users, task lists, and tasks efficiently.Integrated Bcrypt for secure user authentication, protecting user credentials from unauthorized access.Implemented JWT-based session cookies with timeout functionality to manage user sessions effectively.</div></div>		
<div><div>Asteroid Game using Processing3</div><div>2023</div><div>Technologies Used: Processing3, Java, Game Development</div><div><ul style="list-style-type: none">Designed and coded the game mechanics, including player movement, asteroid generation, and collision detection using the Processing3 library..Implemented scoring mechanisms and level progression to increase the game's challenge and replay value..Demonstrated problem-solving skills in overcoming challenges related to game physics and user input..Creating modular components for Header, AddContact, ContactList, and ContactDetail. (Repository)</div></div>		
TECHNICAL SKILLS		
Java C++ MySQL HTML CSS JavaScript DSA Word processing3 [Java Based Graphics Library] Full Stack Web Development Python MongoDB RapidAPI		
OTHER SKILLS		
Public Speaking Story Writing Karate Keyboard		
LANGUAGES SPOKEN		
English (Native) Tamil (Native) Japanese (Limited Working Proficiency)		
ACHIEVEMENTS / POSITIONS HELD		
12 th grade Class Representative (2019 - 2020) IEEE Techloop Club Core Member (since 2022)		