

EDUCATION

KPR Institute of Engineering and Technology
B.E Computer Science and Engineering; GPA: 8.57

Coimbatore, India
Sep 2023 - May 2027

SKILLS SUMMARY

- **Languages** : JAVA, Python ,C, Javascript, SQL
- **Core CS** : Data Structures & Algorithms, OOP, Operating Systems, Software Design
- **Fullstack** : HTML, CSS, React.js , Node.js , Express.js , Tailwind, Postgresql
- **Cloud & AI/ML** : Numpy, Pandas, Matplotlib, ML and DL Algorithms, Model Training, Docker, Git, AWS, Linux, Github
- **Tools:** Power BI, Jupyter, VS Code, Postman, Intelligi, Zapier
- **Coding Profiles:** [Leetcode](#) - 300+ problems | [GeekForGeeks](#) | [HackerRank](#)
- **Soft Skills:** Problem Solving, Strong Stakeholder management, People Management, Excellent communication

WORK EXPERIENCE

- Software Engineer INTERN (Remote) | GS |** **October 24 - November 2024**
- Optimized the signal processing pipeline by replacing FIR filters with FFT, improving computational efficiency and accelerating machine learning model training by 25%.
 - Modernized legacy systems by converting C-based signal processing software to Python, enabling greater automation, maintainability, and scalability for future enhancements.
 - Engineered a dynamic signal trimming algorithm to intelligently preprocess 100+ signal samples..
 - Designed and implemented visual signal diagnostics using Matplotlib.
- Backend Developer INTERN | Stud AI |** **January 2025 - March 2025**
- Built a daily streak tracking system, improving learner retention by 25%.Implemented Laravel middleware to manage subscription-based access control.
 - Created a reward point and leaderboard module to drive student competition and engagement.
 - Developed reward points module and leaderboard, boosting student engagement.Worked within MVC architecture using PHP, MySQL, and Blade templating.

PROJECTS

- FocusAI Productive Assistant** **May 2025 - June 2025**
- Built a scalable productivity tracking system using a Chrome extension & Electron app, capturing real-time behavioral data. Implemented a Node.js and Python backend to store behavioral data in MongoDB, enabling scalable analytics.
 - Designed an ML-based chatbot to offer personalized feedback, improving productivity awareness by 20%.
 - Improved user engagement through interactive dashboards and visualizations, offering daily, weekly, and category-base usage summaries enhancing engagement and insight clarity by 40%.
- Smart Parking System | [LINK](#)** **November 2024 - December 2024**
- Engineered a parking slot booking platform with real-time availability and secure authentication, reducing booking time by ~50%.Deployed fullstack app with firebase integration.
 - The app features real-time availability and easy booking, prioritizing user convenience and vehicle safety.
- Vehicle Rental System | [LINK](#)** **October 2024 - November 2024**
- Developed a Java-based console Vehicle Rental System with user authentication, inventory management.Automated fine enforcement and servicing logic, decreasing manual intervention by an estimated 60%.
 - Enhanced rental efficiency by integrating automatic fine calculation and vehicle servicing enforcement, reducing manual intervention.

CERTIFICATES

- Red Hat Certified System Administrator (RHCSA) | [CERTIFICATE](#)** **June 2025**
- Gained hands-on experience in Linux system administration, including user management, networking, firewalls, and SELinux.
 - Demonstrated proficiency in system configuration, automation, and troubleshooting within Red Hat Enterprise Linux environments.
- Github Foundations | [CERTIFICATE](#)** **January 2025**
- Mastered core skills in version control, branching, and collaborative development using Git and GitHub.
 - Gained hands-on experience with GitHub CLI, pull requests, and repository management for efficient code collaboration.
- Webdevelopment Bootcamp(Udemy) | [CERTIFICATE](#)** **July 2024**
- Acquired skills covering HTML, CSS, JavaScript, Node.js, Express, Postgresql, and React.
 - Built full-stack projects from scratch, demonstrating strong front-end and back-end development skills with hands-on implementation.