

Gautham Kasimkuppam

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Objective

Passionate and highly motivated software engineer with a strong foundation in Python, PHP, CoreJava, C, and C++, combined with expertise in frontend technologies including HTML, CSS, JavaScript, React Js, and Tailwind CSS. Proficient in problem-solving, data structures, and algorithms, with a proven track record of delivering innovative solutions. Seeking a challenging position at Google to contribute my skills and expertise towards driving groundbreaking projects and shaping the future of technology. Committed to continuous learning and growth, I am excited about the opportunity to collaborate with industry leaders and make a meaningful impact in a dynamic and innovative environment.

Education

SRM University, AP

Bachelor of Technology in Computer Science

Oct, 2022- May, 2026

V Semester (currently)

Current CGPA: 8.27 (Upto 3 Semesters)

Relevant CourseWork

- Data Structures
- DataBase Management
- Algorithm Analysis
- AI ML (Basics-Working on it)
- CyberSecurity
- CoreJava Development
- WebDevelopment
- Mern stack

Technical Skills

- Programming Languages: [Python, PHP, CoreJava, C, C++]
- Frontend : [HTML, CSS, JavaScript, React Js, Tailwind Css]
- AI Engineering and ML (Currently Learning)
- Problem Solving, Data Structures and Algorithms
- Technologies: Linux, DataBase: Mysql

Projects

Real Estate Web Application HTML, CSS, Java Script, PHP Mysql

Developed a comprehensive full-stack web application for property listings management using HTML to create the structure.

Styled the application with CSS to ensure a responsive and visually appealing design across various devices.

Enhanced interactivity and dynamic content updates using JavaScript and jQuery.

Implemented server-side processing and business logic with PHP and ensured security throughout the application.

Designed and managed a MySQL database to handle property listings, user data, and transactions.

Developed secure user authentication and authorization systems utilizing PHP sessions and JWT.

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Tour and Travel Full Stack Website | HTML, CSS, Java Script, PHP Mysql

- Created an extensive tour and travel platform for booking and managing travel packages.
- Leveraged JavaScript, HTML, and CSS to craft a dynamic, responsive user interface.
- Developed server-side functionality and user authentication using PHP.
- Engineered a MySQL database to store user data and travel package information.
- Integrated features such as user registration, package booking, payment processing, and an admin panel for managing travel packages.
- Launched the website successfully, enhancing user engagement and streamlining the booking process.
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Cash flow minimizer | DSA,C++

- Engineered a Cash Flow Minimizer System to streamline transactions across multiple international banks, utilizing diverse payment modes to reduce the number of required financial settlements.
- Developed an algorithm that efficiently identifies debtor and creditor banks based on their net balances and compatible payment methods, ensuring cost-effective and efficient transactions.
- Implemented a directed graph model to represent debts and payments, allowing for visualization of fund flows, with the World Bank serving as an intermediary when banks lack common payment modes.
- Leveraged Python to build a scalable and robust system, applying graph theory, algorithms, and data structures to manage complex financial transactions efficiently.
- Showcased problem-solving abilities and financial optimization expertise by creating a solution that minimizes cash flow between international banks, leading to improved financial operations and reduced costs.

Hotel Management System| Java

- Developed an advanced hotel management application in Java to optimize operations, including room reservations, guest check-ins and check-outs, and billing processes.
- Utilized object-oriented programming to create a modular, scalable, and maintainable codebase, ensuring the system could adapt to future requirements.
- Incorporated functionalities like real-time room availability, reservation handling, and customer profile management to streamline hotel workflows and improve the guest experience.
- Performed extensive testing and debugging to guarantee the system's seamless operation and reliability, significantly boosting hotel management efficiency and enhancing customer satisfaction.

Certifications

NPTEL Merit Certificates in E-Business, Psychology and Python Exams ,Dec 2023

Guvi-Python COurse Completion

CyberSecurity Course Completion from Google through Coursera, Jan2024

Problem Solving Skill certificate ,HackerRank,Sep 2023

Secured All India 13721 Rank in Naukri NCAT

Experience

Currently Working in AI ML Field in Edunet Company

- Started working in the field of AI/ML at Edunet Company, developing and deploying machine learning models to enhance educational applications and improve student engagement.
- Conducted comprehensive data analysis and preprocessing on large datasets, implementing techniques such as data cleaning, normalization, and feature engineering to ensure high-quality data for model training.
- Collaborated with cross-functional teams, including educators, developers, and product managers, to integrate AI solutions into educational platforms, contributing to the development of automated grading systems and adaptive learning tools.
- Researched and implemented cutting-edge AI techniques, such as natural language processing for text analysis and computer vision for image recognition, to address complex challenges in the education sector.