Sathya Venugopal

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EDUCATION

- **University of California, San Diego** — La Jolla, CA
  Bachelor of Science in Computer Engineering; GPA: 3.6 — *Sept 2021 - Jun 2025*
- **Relevant Coursework**: Advanced Data Structures (C++), Design and Analysis of Algorithms, Computer Organization and Systems Programming (C), Introduction to Programming and Computational Problem-Solving (Java), Basic Data Structures and Object-Oriented Design (Java), Software Tools and Techniques Laboratory

SKILLS SUMMARY

- **Languages**: Java, C++, C, JavaScript, TypeScript, HTML, CSS, ARM Assembly, MATLAB
- **Tools and Frameworks**: React, Node.js, Express, JUnit, GDB, Git

EXPERIENCE

- **Happy Academy** — Remote
  Mathematics and Computer Science Tutor — *Oct 2022 - Present*
  - Provided tutoring services to high school students in Advanced Placement (AP) Computer Science, Calculus, and Pre-calculus courses
  - Conducted efficient and engaging small group classes on a weekly basis, offering individualized support and guidance
  - Assessed student performance through grading papers, administering tests, and creating quizzes, and maintained accurate records of student progress
  - Fostered a positive and productive learning environment, resulting in notable improvement in student performance and academic achievement.
  - Developed and implemented innovative teaching strategies to effectively communicate complex concepts, ensuring student understanding and success in the subject matter.

- **XCredit** — Pleasanton, CA
  Software Engineering Intern — *Jul 2022 - Sept 2022*
  - Developed a credit scoring algorithm along with other engineers, ensuring the code was clean, clear and rigorously tested.
  - Utilized a range of development tools, including GitHub and Visual Studio Code, to maintain a high level of efficiency and productivity.
  - Actively participated in weekly meetings to evaluate and suggest improvements to the credit scoring algorithm, fostering an environment of continuous improvement.
  - Conducted extensive research into credit scoring and various finance technology concepts to support market analysis and inform development decisions.
  - Collaborated effectively with the software development team to achieve project goals and deliver high-quality solutions.
  - Technolgies: Node.js, TypeScript, Express

PROJECTS

- **NBA Scouting app**: Developed a robust and interactive web application using ReactJS that displays comprehensive stats of all active and retired NBA players. Implemented features such as adding favorite players, comparing players, and providing a detailed player profile.

  Source code: https://github.com/SathyaV30/nba-player-stats Website: https://nba-player-stats.netlify.app
- **Random Color Generator**: Designed and developed a user-friendly application that generates random colors on demand. The application provides a visual display of the generated color, hex value, and English description for the color. Utilized JavaScript, HTML, and CSS in the development process

  Source code: https://github.com/SathyaV30/random-color-generator Website: https://rand-color-generator101.netlify.app
- **Personal Website**: Created a professional personal website to showcase my resume, portfolio of projects, and contact information. Developed using a combination of JavaScript, HTML, and CSS, the website presents a clear and visually appealing representation of my skills, experience, and projects

  Source code:https://github.com/SathyaV30/eportfolio-sathya-venu Website: https://sathya-venugopal.netlify.app

HONORS AND AWARDS

- Achievement of the Eagle Scout Rank in the Boy Scouts of America program, a distinction earned by only 4% of scouts.