# Sathya Venugopal

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Pleasanton, CA

## EDUCATION

- **University of California, San Diego** — La Jolla, CA
  *Bachelor of Science in Computer Engineering; GPA: 3.6* — *Sept 2021 - Jun 2025*
- **Relevant Coursework**: Design and Analysis of Algorithms, Advanced Data Structures (C++), Computer Organization and Systems Programming (C/ARM), Introduction to Programming (Java), Basic Data Structures (Java), Web Mining and Recommender Systems (Python), Web Client Languages (HTML/CSS/JS), Software Tools and Techniques Laboratory (Git)

## SKILLS

- **Programming Languages**: Java, JavaScript, TypeScript, HTML, CSS, Python, C, C++, ARM Assembly, MATLAB
- **Tools and Frameworks**: React.js, React Native, Next.js, Node.js, Express.js, Sass, Tailwind CSS, JUnit, MongoDB, GDB, Git
- **Design and Collaboration**: Figma, Canva, Visual Studio, GitHub

## EXPERIENCE

- **Happy Academy** — Remote
  *Mathematics and Computer Science Tutor* — *Oct 2022 - Present*
  - Enhanced students' understanding of AP Computer Science, resulting in a 10% average growth in test scores.
  - Conducted efficient and engaging small group classes on a weekly basis, offering individualized support and guidance.
  - Assessed student performance through grading papers, creating quizzes, and ensuring accurate records of progress.
  - Utilized online tutoring platforms and whiteboards to facilitate remote learning, supporting students globally.
  - 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 an innovative credit scoring system that allows users to boost their credit scores through timely payments made within their social circles.
  - Leveraged insights from 100+ fintech data points to optimize a proprietary credit scoring algorithm.
  - Offered significant improvement ideas in weekly meetings, leading to a 15% increase in the development team's efficiency during the credit scoring algorithm project.
  - Utilized the MERN stack to develop innovative features for a peer-to-peer payments platform, including a digital wallet and a user-friendly mobile application.
  - Collaborated effectively with a cross-functional team to successfully launch a mobile app, resulting in 400 monthly active users and a $57K total payment volume.

## PROJECTS

- **NBA Stats App**: Source Code — Website
  - Developed a full-stack web app for viewing NBA player profiles, complete with user authentication, trivia, and live scores.
  - Provided real-time analytics and cross-era stats comparison for players.
  - Built with React.js, Express.js, Node.js, MongoDB, and BallDontLie API.
- **Word Game**: Source Code — App Store — Google Play Store
  - Developed a mobile version of the Boggle word game, featuring varied board options and word definitions.
  - Leveraged a trie data structure to generate and search words efficiently.
  - Built with React Native and Free Dictionary API.
- **Personal Website**: Source Code — Website
  - Crafted a professional personal website to prominently showcase a resume and a comprehensive project portfolio.
  - Utilized minimalist design principles to create a visually striking and clutter-free user interface.
  - Built with HTML, CSS, and JS.

## HONORS AND AWARDS

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