Nitin Veeraperumal

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EDUCATION

University of California, Los Angeles Los Angeles, CA
Bachelor of Science in Mathematics of Computation *Expected June 2025*

- GPA: 3.4/4.0
- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Discrete Structures, Multivariable Calculus, Linear Algebra

Simi Valley High School Simi Valley, CA
August 2017 - June 2021

- Awards: Top 1% of Graduating Class, National Honor Society, National AP Scholar, National Merit Scholar
- AP Classes: Computer Science A, Calculus AB, Calculus BC, Physics, Chemistry
- Involvements: Varsity Cross Country, Varsity Track, Robotics, Young Investors Society

PROJECTS

Tamil Library | *Python, Django, Bootstrap, PostGresSQL*

- Created a library management web application for a local non profit Indian language school
- Replaced an excel based management system and created a more intuitive and simple UI for checking out books, viewing overdue books, and adding new books to the library
- Allowed students to browse the library's catalog remotely and see which books were available

Unhinged | *C++*

- Created a terminal based dating application that finds matches for a user based on compatibility
- Implemented an algorithm to quickly translate the user's attributes into compatible attributes to find matches
- Designed a Radix Tree data structure to efficiently search through a database of 100k+ members in $O(logn)$ time

EXPERIENCE

Jersey Mike's Subs March 2021 - August 2021
Crew Member *Simi Valley, CA*

- Provided excellent customer and food service during periods of high volume traffic
- Quickly adapted and adjusted to changing COVID procedures

COMMUNITY & LEADERSHIP

Simi Valley Cross Country January 2020 - January 2021
Team Captain *Simi Valley, CA*

- Coordinated and held safe team practices by navigating and adhering to local city COVID guidelines
- Kept team morale high through the pandemic by holding virtual team bonding events
- Organized an internal tutoring system to provide support for students who were academically ineligible to race

For the Troops April 2017 - March 2020
Volunteer *Simi Valley, CA*

- Prepared care packages of food and other items for troops overseas, performed routine checks on inventory
- Instructed new volunteers on general procedures, delegated roles for other volunteers based on weekly goals

TECHNICAL SKILLS

Languages: Python, C++, HTML, CSS
Frameworks: Django, Bootstrap
Developer Tools: XCode, VSCode, Git