

# TANMAY SINGHAL

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## OBJECTIVE

Seeking opportunities in software development where I can leverage my diverse skill set and passion for crafting innovative solutions. Open to exploring various career paths and eager to contribute positively to dynamic projects and teams.

## RELEVANT EXPERIENCE

### Software Intern (APIs and Microservices)

June 2024 – Present

*Public Service Electric & Gas Co. (PSEG Co.)*

*Newark, NJ*

- Developed new APIs adhering to API-led connectivity standards and REST principles utilizing MuleSoft's Anypoint platform.
- Conducted thorough testing and deployment via Jenkins and Github.
- Crafted RAML design documents for cloud and microservices architecture utilized by the company and its vendors.
- Monitored performance metrics utilizing MuleSoft Anypoint Platform Runtime Manager and monitoring dashboards.

### Web Developer + Social Media Manager

January 2023 – Present

*SGN Nanopharma Inc. & CbellaNaturals Inc.*

*New York, NY*

- Crafted compelling web pages, overseeing and up keeping SGN.bio and CBellaNaturals.com to foster expansion and reliability.
- Curated engaging social media content across Instagram, Facebook, and LinkedIn, expanding the brand's online presence.

### Webmaster + IT Services

January 2022 – Present

*Chappaqua Swim & Tennis LLC.*

*Chappaqua, NY*

- Managed cstclub.com ensuring accurate information and provided IT support for ClubExpress membership portal.

### Robotics Intern

July – August 2021 & July – August 2022

*aRobotics Company*

*Ossining, NY*

- Designed and fabricated for robotic components leveraging technologies such as 3D printing, CNC machine, etc.
- Developed of production code tailored for Raspberry Pi modules and an array of sensors using Python.
- Enhanced the digital presence by contributing to website development mainly enriching the product portfolio.

## EDUCATION

### Stony Brook University

Stony Brook, NY

*Bachelor of Science in Computer Science — GPA: 3.7/4.0*

*Expected May 2025*

- **Relevant Coursework:** Foundations of Comp. Sci., Data Structures, Programming Abstractions, System Fundamentals I & II, Software Engineering I, Applied Linear Algebra, Calculus I & II, Finite Mathematical Structures, Advanced Statistics.
- **Stony Brook Robotics Club:** Part of the GUI controls team and worked on enhancing the user interface.

### Ossining High School

Ossining, NY

*Advanced Regents High School Diploma*

*September 2018 – June 2022*

- Research on transfer learning for object detection was conducted advised by Dr. Ujwal Krothapalli, accessible via repository.

## LEADERSHIP EXPERIENCE

### Ossining Engineering Club | President & Vice President

September 2020 – June 2022

- Facilitated communication within the club, coordinated meetings, maintained daily correspondence with members/mentors, and was responsible for setting and tracking the club's objectives (competitions and outreach).

### Sewa International Lead Program (NY & NJ) | Lead Intern

June 2018 – August 2023

- Coordinated blood drives, park cleanups, and food pantry initiatives to assist my immediate community.

## TECHNICAL SKILLS

**Programming:** C, C++, Python, HTML/CSS/Javascript, Java, OCAML, R, React, Node.js, MongoDB, MuleSoft

**Languages:** English, Hindi, French (NYS Seal of Biliteracy in English & French)

**Computer:** Office 365, Google Suite, Google Cloud, GraphPad Prism

**CAD:** Autodesk Inventor, Fusion 360, Ultimaker Cura

**Graphic Design:** Adobe Photoshop, Canva