

# Gautham S Sevugan

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## Education

**PURDUE UNIVERSITY, West Lafayette, IN**  
Bachelor of Science in Industrial Engineering  
Minor: Economics

Expected Spring 2025  
Major GPA: 3.1/4.0

**Relevant Class Work: IE 33500 (Operations Research – Optimization), IE 34300 (Engineering Economics), CS 15900 (Programming C), CSC 222 (Object Oriented Programming), ITD 132 (Structured Query Languages), ITD 145 (Introduction to Data Science), ITN 257 (Cloud Computing Services and Infrastructure)**

## Work Experience

### PANMO LLC

#### Software Engineering Intern

Hayward, CA

July 2023 – Sept 2023

- Utilized Python to conduct design of experiments for developing an optimization tool for the usage of different semi-conductors and worked on the Diode semi-conductor module
- Gained insight to different machine learning models throughout the internship
- Completed SQL queries to import statistical data into the ConFAB tool

### VIVSOFT

#### Software Engineering Intern

Reston, VA

May 2023 – Sept 2023

- Improved the current employee application, OnePortal, which is coded using AngularJS and NodeJS for the frameworks and is connected to a Microsoft Azure Database
- Created a Software Management tool that allows admin users to assign specific software to employees
- Utilized Sequelize to integrate the Microsoft Azure Database and the OnePortal application, allowing for easier integration and updating of the application
- Increased overall functionality of OnePortal for employee and manager users

### SYNERGYBIS

#### Software Applications Developer Intern

Reston, VA

May 2021 – Aug 2021, May 2022 – Aug 2022

- Engaged in APLES II sub-project “CPS Tech Refresh”, which involved updating the US Coast Guard Exercise Documentation website and combining the outdated US Coast Guard database with the newly created one
- Utilized the AngularJS and .NET frameworks to integrate US Coast Guard records into a public database
- Ensured that all the previous data entries in the COE and RAMPS section of the web-application were retrievable in the new web-application through consistent testing at the end of sprints utilizing SQL queries

### ACADEMIES OF LOUDOUN

#### Researcher

Ashburn, VA

Aug 2019 – Mar 2020

- Spearheaded the project of quantify the effectiveness of the common prosthetic hand designs with different electric circuits
- Created a working bio-prosthetic hand under a 300\$ research budget and conducted tests to quantify the effectiveness of different designs of prosthetic hands
- Developed a greater understanding of coding C++ (Arduino Code), and utilizing **AutoDesk Inventor**

## Skills & Interests

### Technical:

- Programming Languages: Java, JavaScript (AngularJS and NodeJS), C# (.NET Framework), HTML & CSS, SQL, C++, Python, C, Postgresql**
- Proficient Technical Skills: AutoCad, AutoDesk Inventor, Microsoft Excel, Microsoft PowerPoint, GitHub,**
- Certifications: Python PCEP Entry Level, OCI Foundations Associate, OCI Architect Associate, Python PCEP Professional**