Gautham S Sevugan

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# Education

**PURDUE UNIVERSITY, West Lafayette, IN** Expected Spring 2025

Bachelor of Science in Industrial Engineering Major GPA: 3.1/4.0

Minor: Economics

# Work Experience

**PRANOS.AI**

**Embedded Engineering Intern** Jan 2024 – Present

* + Utilize scripting languages such as Python, Java, and C to create embedded solutions for Bluetooth connectivity issues with the prototype and Raspberry PI
  + Assist with debugging and testing of current solutions that are implemented

**PANMO LLC** Hayward, CA

**Software Engineering Intern** 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** Reston, VA

**Software Engineering Intern** 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** Reston, VA

**Software Applications Developer Intern** 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“CPS Tech Refresh”, which involved updating the US Coast Guard Exercise Documentation website and combining the outdated US Coast Guard database with the newly created one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** Ashburn, VA

**Researcher** 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**