Gautham S Sevugan

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# Education

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

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

Minor: Economics

# 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), ENE 108 (Intro to Data Center Operations), ENE 208 (Critical Site Operations)

**EDUREKA CODING SCHOOL, Remote** Expected Jan 2025

# Data Science and Machine Learning Internship

# Technical Skills Refined: Python, SQL, Tableu

# Work Experience

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“CPS Tech Refresh”, which involved updating the US Coast Guard Exercise Documentation website and combining the outdated US Coast Guard database with the newly created one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

**Projects**

**Personal Portfolio Website**

* + Created a ReactJS website to showcase career interests, technical skills, completed projects, on-going projects, and work experience
  + Utilized JS libraries Framer Motion, ThreeJS, and React Three Fiber to create an appealing UI
  + Deployed the application using hosting service Hostinger with plans to eventually migrate to AWS

**Expense Tracking Application**

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  + 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

# Skills & Interests

**Technical:**

* **Programming Languages: Java, JavaScript (AngularJS and NodeJS), C# (.NET Framework), HTML & CSS, SQL, Python, C, Postgresql**
* Proficient Technical Skills: Microsoft Excel, Microsoft PowerPoint, GitHub, AirTable, Tableu
* **Certifications: Python PCEP Entry Level, OCI Foundations Associate, OCI Architect Associate, AWS Cloud Practitioner, AWS Certified AI Practitioner**