

SACHIN VELMURUGAN

☎ 240-854-3746 ✉ velsachin98@gmail.com 🏠 College Park, MD, 20740

🌐 [linkedin/sachin-velmurugan](https://www.linkedin.com/in/sachin-velmurugan) 🐙 github.com/SachinVel 🌐 sachinvel.github.io/portfolio

EDUCATION

Professional Master in Software Engineering(Yet to be graded)

University of Maryland

Expected May 2024

Maryland, College Park

- Major Courses : Cloud Security, Introduction to secure coding

Bachelor in Engineering in Computer Science (CGPA : 9.03/10)

Anna University

May 2020

Chennai, India

- Major Courses : Data Structures and Algorithms, Object oriented programming, Database Management Systems, Operating Systems, Data analytics, Cryptography

WORK EXPERIENCE

ZOHO Corporation

Jul 2020 – Jul 2022

Member Technical Staff

Chennai, India

- Developed a web video editor solely with features like trim, element positioning, audio editing, Increased the number of customer video recordings by 30%.
- Created a customer support tool from scratch along with a team of four within a year which records customer's action, Helped solve 100+ customer tickets within two months into production.
- Collaborated in designing a SQL database in normalized form which consists of 20+ tables.
- Designed 10+ pages for our customer support tool in Figma, Assisted in developing whole product UI within two weeks.
- Solved 15+ security issues in customer support tool, Preventing our tool from popular OWASP threats like SQL injection, XSS, DOS.
- Developed unit testing using Junit and Mockito and API testing using Apache HTTP library for our internal testing tool. 50+ developers started using our internal testing tool within a month.

ZOHO Corporation

Jun 2019 – Jul 2020

Project Trainee

Chennai, India

- Created exact duplicate of one of Zoho's complex UI web applicaiton using plain HTML/CSS

GateWay Software Solutions

Jun 2018 – Jul 2018

Java Web Developer Intern

Coimbatore, India

- Worked on real time complex Java EE web application and resolved 5+ back-end and performance tickets.

National University of Singapore (NUS)

Dec 2017 – Jan 2018

Data Science Intern

Singapore

- Developed 5+ machine learning models like Decision trees, Random Forest, Neural Network using anaconda and R on real-time credit card dataset and derived significant insights.

TECHNICAL SKILLS

Languages: Java, JavaScript, HTML/CSS, MySQL, Python, C++, C

Technologies/Frameworks: Jersey, JSP, Servlet, JQuery, Handlebars, Struts, ReactJs, JUnit, Mockito, Apache Tomcat, NodeJS, ExpressJS

Software: Sourcetree, Gitlab, IntelliJ, VS Code, Figma

PERSONAL PROJECTS

Bank Statement Analyzer | ElectronJS, ExpressJS, NodeJS, Nginx, PostgreSQL

Apr 2021

- Analyzes bank statement and categorizes the transaction automatically.
- Gained deployment experience including hosting a website in virtual space, purchasing an SSL certificate, debugging in the server, etc.

Movie Wiki | HTML/CSS, JavaScript, Media Query

Jan 2020

- Searches the keyword given by the user in IMDB open source database and displays the result in tiles.

Chess Game | Java, Maven, Junit, Mockito

Oct 2019

- Applied clean code practices and effective design patterns using Test Driven Development Approach.

ACHIEVEMENTS

- Secured 4th Rank among 138 department students and received scholarships for three academic years.
- Answered 41 questions on Stackoverflow platform and it impacted 34,000 Stackoverflow users.
- Achieved 5 stars in Java and Problem Solving in HackerRank platform.