

# MAHALAKSHMI

Contact: +1 260 580 2815 | Email: [sanjumahalakshmi@icloud.com](mailto:sanjumahalakshmi@icloud.com) | [LinkedIn](#) | [Portfolio](#)

## EDUCATION

---

### Purdue University Fort Wayne

Master of Science in Computer Science — **GPA: 4.0**

IN, U.S.A

Aug. 2024 – May 2026

### American University of Sharjah

Bachelor of Science in Computer Engineering

Sharjah, U.A.E

Aug. 2020 – Dec. 2023

## SKILLS

---

**Languages:** HTML, CSS, Javascript, Python, Java, C++, Verilog

**Libraries and Frameworks:** MERN Stack, Next.js, Cypress, Jest, Playwright, Tkinter, Keras, Tensorflow, Bootstrap

**Developer and Deployment Tools:** VS Code, Visual Studio, Git, GitHub, Bitbucket, PyCharm, Vercel

**Project Design and Management Tools:** Jira, Figma, Slack, Trello, Canva

## EXPERIENCE

---

### ForOurLastNames

June 2025 – August 2025

Full-Stack Software Engineering Intern

Tulsa, OK, U.S.A

- Enhanced **React** and **TypeScript** components for user onboarding and legal pages, delivering **9 features** with strong completion rate across financial technology platform.
- Led **mobile app deployment** project for **iOS/Android App Stores**, researching submission requirements and creating deployment workflows, significantly improving deployment preparation.
- Implemented **automated testing** with **Playwright**, conducted framework analysis, and developed test scripts, improving code quality and reducing manual testing effort.
- Fixed **4 critical UI/UX bugs** and enhanced responsive design across web/mobile interfaces, improving user experience and application stability.

### Schneider Electric

June 2024 – July 2024

Process Automation and Procurement Intern

Dubai, U.A.E

- Developed a prototype **supplier scorecard application** to address inefficiencies from globally shared spreadsheets, showcasing how automation could streamline vendor evaluation for the Procurement and Supply Chain team.
- Applied **Python** for backend processing, **Tkinter** for a user-friendly interface, and **MySQL/phpMyAdmin** for structured data management, strengthening full-stack development and database integration skills.

### BetaIT

July 2022 – Aug. 2022 & July 2023 – Sept. 2023

IT Intern, Team Leader & Research Intern

Dubai, U.A.E

- Led infrastructure projects using **Google Cloud** virtual load balancers, **Hypervisors**, and **Autopsy** on **Kali Linux**.
- Conducted research on **Odoo ERP** implementation for digital transformation initiatives, reporting to the Director of Corporate Development.
- Contributed to technical documentation, team presentations, and collaborative tasks across both internship phases.

### American University of Sharjah

March 2023

Python Bootcamp Assistant

Sharjah, U.A.E

- Assisted with 2-day Python Bootcamp under the **Associate Dean of Business & engaged over 30 attendees from various non-tech disciplines**
- Taught **Python** basics, **Numpy**, and **Pandas** for Data Analyses

## RELEVANT PROJECTS

---

### SyllabusSync - AI-Powered Syllabus to Calendar App

Sept. 2025

*Personal Project*

- Developed an AI-powered web application that converts course syllabi (text and PDF) into organized calendar tasks using **Google Gemini 2.0 Flash API**.
- Implemented **native PDF processing**, automatic semester-aware date detection (Fall/Spring/Summer), and year extraction from syllabus headers.
- Built dual task views (**calendar and list**), with optional Google Calendar sync for seamless academic scheduling.
- Engineered the frontend using **Next.js 15 (React 19 + TypeScript)**, **TailwindCSS v4**, and **shadcn/ui**, with backend logic in **Node.js API routes**.
- Deployed on **Vercel**, ensuring responsive UI, accurate timezone handling, and reliable scalability.

### MastodonHub

Jan. 2025 – Apr. 2025

*Purdue University Fort Wayne*

*IN, U.S.A*

- Collaborated in an **Agile** team to develop a full-stack web application for campus club and event engagement using **React**, **Django**, and **SQLite**.
- Achieved **95%+ backend test coverage** with Cypress and **45%+ frontend test coverage** with Jest.
- Built and enhanced frontend features including a **Contact Support page with EmailJS**, Google Calendar integration, and localStorage-based state handling.
- Improved **UI/UX** with responsive card-based layouts and intuitive navigation.
- Participated in weekly sprints, created user stories and epics in **Jira**, and maintained CI/CD pipelines using **Bitbucket**.

### CampusMart - Ecommerce Platform

Aug. 2024 – Dec. 2024

*Purdue University Fort Wayne*

*IN, U.S.A*

- Developed a peer-to-peer responsive ecommerce platform using the **MERN stack**, for the secure buying and selling of used items.
- Deployed the application using **Vercel** for scalability and reliability.
- Collaborated with the team in an **Agile development cycle**, ensuring efficient task completion.

### Sweetwater Student Opportunities App

Sep. 2024 – Dec. 2024

*Purdue University Fort Wayne*

*IN, U.S.A*

- Collaborating in an **Agile environment** with a team to develop a web application using the **MERN Stack** and **Next.js**
- Implemented **CRUD** for event management with features such as RSVP and event feedback for members.
- Integrating a responsive design for both desktop and mobile users, ensuring smooth user interaction for event discovery, RSVP, and feedback submission.
- Participating in sprint planning, reviews, and retrospectives to continuously improve project delivery and meet deadlines.

## POSITIONS OF RESPONSIBILITY

---

### Proctor – Student Staff

Jan. 2025 – Present

*Purdue University Fort Wayne – Math and Science Testing Center*

*Fort Wayne, IN*

- Monitored exams, enforced testing policies, and ensured a secure, distraction-free environment.
- Verified student identities, managed check-ins/outs, and upheld confidentiality protocols.
- Handled and delivered exams securely, coordinating with faculty for various testing formats.

### Community Services and Outreach

Sep. 2022 – Dec. 2023

*American University of Sharjah*

*Sharjah, U.A.E*

- **Distributed essentials to workers** in University City, Sharjah.
- **Raised funds** for "Ghana Classroom Campaign" with **Sharjah International Charity**.
- Volunteered at **Al Ihsan's "Food For The Needy"** in **Ajman**, involving **food packing and distribution**.