Aswin S Nair

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EDUCATION

College of Applied Science (IHRD)   Vadakkencherry, Kerala
B.Sc in Computer Science (Honours)   *July 2024 – May 2027*

SKILLS

- **Frontend Technologies** - React, Svelte, HTML, Tailwind CSS, Javascript
- **Backend Technologies** - Nodejs, SvelteKit, Nextjs, Django, Tauri, FastAPI, Flask
- **DevOps & Tools** - Git, AWS, Heroku, Docker, Linux
- **Languages** - Rust, Python, C, C++, TypeScript/JavaScript

PROJECTS & EXPERIENCE

Freelance Discord Bot Developer   April 2020 – Present
Python, Javascript, Discord API
- Engineered various domain specific Discord bots for both large and small Discord servers.
- Extensively familiar with Discord API in both Python and Javascript (discord.py, discord.js)
- Deployed bots using Heroku with functional CI/CD pipelines.
- Open source bots (more on my profile) : github.com/ohaswin/golds

Pyscan   May 2023 – Present
Maintainer   *Open Source Project*
- Architected and implemented a Rust security scanner for detecting vulnerable dependencies
- Designed optimized analysis algorithms reducing scan time by 60% compared to similar tools
- Integrated with CI/CD systems enabling automated security checks in development workflows
- Developed comprehensive technical documentation, system architecture diagrams, and persuasive marketing materials that improved operational efficiency and enhanced user communications
- Used by 10,000+ developers; featured on The Real Python Podcast for performant architecture

Freelance Software Engineering   August 2020 – Present
Independent Developer
- Delivered 50+ technical solutions spanning web applications, system utilities, and automation tools
- Built high-performance backend services using Rust and Python for various client requirements
- Implemented custom deployment pipelines on Heroku for streamlined client updates

LEADERSHIP & CAMPUS INVOLVEMENT

Chief Technical Head   February 2025 – Present
Digital Infrastructure and Development Committee (DIDC)   *College of Applied Science, Vadakkencherry*
- Lead team of student developers ensuring delivery of critical digital infrastructure for the college
- Establish technical roadmaps and architecture decisions for campus digital initiatives
- Worked with a diverse team of UI/UX designers and content creators

Student Lead   March 2025 – Present
Innovation and Entrepreneurship Development Center (IEDC)   *College of Applied Science, Vadakkencherry*
- Spearhead innovation initiatives connecting students with entrepreneurial opportunities
- Organize technical workshops and hackathons to foster problem-solving skills

Campus Lead   March 2025 – Present
Mulearn Foundation   *College of Applied Science, Vadakkencherry*
- Facilitate peer-learning programs focused on industry-relevant technologies and skills
- Coordinate knowledge-sharing initiatives and technical community building activities