

NEERAJ MANIVARNAN

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EDUCATION

B.Tech in Computer Science and Engineering, TKM College of Engineering. Expected 2025
Relevant Coursework: Data Structures and Algorithms, OOP,DBMS, Computer Networks, Linux Networking.

Higher Secondary Education, SNSM HSS,Kollam. 2019 - 2021

SKILLS

Technical Skills	Java,Python, Spring-boot ,Spring,MySQL,MariaDB, Bash Scripting , Python Scripting.
DevOps Tools	Linux, Git,Docker,Kubernetes,Terraform,Jenkins CI/CD,Configuration Management using Ansible
Cloud computing	AWS (Certified Cloud Practitioner),Google cloud platform
Other & soft skills	Microservices,code debugging,Communication,Networking,Team building and collaborating

EXPERIENCE

Project Intern August 2024 - Present
Sedai, Autunomous Cloud Management *Remote*

- Developing a custom Kubernetes scheduler for enhanced pod placement, ensuring resource efficiency and reduced latency
- Collaborating with cross-functional teams to integrate advanced scheduling algorithms for dynamic workloads

Backend Developer Mar 2024 - April 2024
Hestia Web Team,TKM College of Engineering *Kollam,Kerala*

- Developed a comprehensive sponsor management system for the Hestia's website backend.
- Improved data organizaition by 75%
- Integrated this system into a website with more than 4000 users.

Open Source developer Jan 2024 - Feb 2024
Meshery,Cloud Native Manager *Remote*

- Identified and repaired broken links within project documentation, enhancing accessibility and user experience.
- Reduced user reported issues by 10%

PROJECTS

TKMTube. Designed and implemented a robust and scalable microservice-based social media platform utilizing Spring Boot to effectively address the need for centralized media storage. [\[Project Link\]](#)

AWS Infrastructure Provisioning with Terraform. Designed and provisioned scalable AWS infrastructure using Terraform, resulting in a 50% reduction in deployment time and a 30% decrease in configuration errors. [\[Project Link\]](#)

Cretem. Developed "cretem," a Bash script command-line utility for automating the creation of Java, C, and C++ project templates. Reduced setup time by 80%. [\[Project Link\]](#)

Chrome extension. Developed a streamlined Chrome extension for note-taking, utilizing advanced JavaScript frameworks. Increased personal productivity by 40%. [\[Project Link\]](#)

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Introduction to Jenkins - **The Linux Foundation**
- Linux for beginners - Udemy
- Meta Version Control - Coursera

EXTRA-CURRICULAR ACTIVITIES & POSITIONS OF RESPONSIBILITIES

- As the Ambassador of FOSS CELL at TKM College of Engineering, championed the FOSS culture by advocating open-source software adoption and organizing 5+ workshops and events, which increased student engagement with open-source projects by 30%.
- Debugging Competition: Secured first prize in a debugging competition at the national level techno-cultural fest organized by the Computer Society of India, TKMCE.