

# KOVENDHAN P

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kovendhan5



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## ABOUT ME

I'm passionate about Cloud & DevOps, Full Stack Development and Cybersecurity. I enjoy creating user-friendly web apps. I am exploring cloud platforms like AWS, Azure, and Google Cloud, while learning best practices in DevOps and cybersecurity.

## PROJECTS

### DevOps Project: Website Deployment on GCP

Jan 2025 - Feb 2025

- Deployed a React-based website on GCP using Docker and Kubernetes with automated CI/CD pipelines via GitHub Actions.
- Managed containerized applications, ensuring scalability and reliability with Kubernetes clusters and GCP services.
- Optimized deployment workflow, reducing downtime and improving release efficiency.

### Pixelated image detection and correction using machine learning

Apr 2024 - Jul 2024

- Designed a machine learning solution using CNNs to detect and enhance pixelated image regions.
- Applied super-resolution techniques for image restoration, achieving high-quality results with 95% accuracy..

### Website Development for IEEE Techx Event

Aug 2024 - Aug 2024

- Developed the official website for the IEEE Techx event, showcasing details and schedules.
- Ensured a user-friendly experience with features like technology demos and expert-led sessions.

### Student Code and Notes Sharing Website

Jun 2024 - Jun 2024

- Created a website for students to share programming code and notes using the Google Drive API.
- Built with Google Apps Script, facilitating easy file uploads and access management.

## EXPERIENCE

### Freelancer as Cloud & DevOps Engineer, Full Stack Developer

Jul 2024 - Present

- Developed custom portfolio websites using HTML, CSS, JavaScript, and React.js.
- Assisted friends in various web development projects and provided technical guidance in cloud & devops concepts.
- Managed cloud infrastructure using AWS, Azure, and Google Cloud.
- Implemented CI/CD pipelines with Docker and Jenkins.

### Full Stack Development Intern, Raja Technologies (REMOTE)

May 2024 - Jun 2024

- Built an e-commerce website with front-end, back-end, and payment integration.

### Web Development Intern, TechnoHacks EduTech (REMOTE)

Mar 2024 - Apr 2024

- Developed a responsive static website.

## EDUCATION

### B.Tech - Jeppiaar Institute Of Technology

Sep 2022 - Present

Information Technology CGPA: 7.83 (upto 5th Sem)

### Higher Secondary Education - Marutham Matric Hr Sec School Jun 2019 - May 2021

12th standard , Percentage: 81.92 %

## SKILLS

**Programming Languages:** Python, Java, SQL, frontend languages.

**Dev Tools & Technologies:** Visual Studio Code, Jupyter Notebook, Docker, Git & GitHub, Jenkins, Kubernetes , Github Actions, Git Lab.

**Cloud Platforms:** AWS, GCP .

**Technical Skills:** CI/CD knowledge, Networking Protocols, Deployment, Containers, Configuration Management.

## ACHIEVEMENTS

- 3rd Place at IEEE TECHX Hackathon
- 2nd Place at IEEE Robothon (Idea Presentation)
- 2nd Place at Tech Fest 24 (Web Design Competition)
- CO CURRICULAR ACTIVITIES AWARD
- APPRECIATION AWARD -NPTEL JUL 24

## CERTIFICATIONS

- GitHub Foundations (GitHub)
- Cloud Computing (NPTEL)
- Ethical Hacking (NPTEL)
- Foundations of Cyber Security (Google)
- AWS Badges (AWS)
- Microsoft Azure Certifications (Microsoft)
- java (basics) (HackerRank)
- Python demonstration for practice course (Udemy)

## LEADERSHIP & VOLUNTEERING

### Full stack development club

- Coordinating a full stack development club alongside fellow classmates, organizing events, workshops, and collaborative coding sessions to enhance skills in web development.

## CONFERENCES & PUBLICATIONS

### IEEE International Conference on Computer Science and Information Technology (ICCSIT)

Apr 2024

- "Investigating the Effectiveness of Vulnerability Scanners in Web Application Security" Presented and published an abstract on web security best practices.