Akshay Phutane

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I am a Full Stack Web Developer with 2 years of learning web development, DevOps, and strong problem-solving skills. Proficient in DSA, MERN Stack, PostgreSQL, Next.js, Docker. Solved 250+ DSA questions on Leetcode, GFG.

Work Experience

Backend Developer Intern   Sep 2024

Deloai Pvt Ltd

- Developed the backend for Fortune Homecare, creating advanced models and routes using Flask.
- Implemented **REST** APIs for seamless communication between the frontend and backend, ensuring efficient data handling and smooth user interactions.
- Worked on frontend integration and utilized tools such as **Flask**, **Postman**, and **MongoDB** for efficient API development and data management.

Projects

Job Seeker Platform   Jun 2024

- Enabled easy job applications and tracking, with interview scheduling option, improving user satisfaction by **30%**.
- Integrated **NLP**-powered resume parsing for efficient data organization, reducing manual data entry by **50%.**
- **Technology used:** MongoDB, React.js, Express, Flask, NLP.

DDoS Protection System for Cloud: Architecture and Tool   Jul-2024

- Implemented **real-time monitoring** using an AI-driven decision tree model to detect and mitigate DDoS attacks.
- Developed smart **filtering**, **rate-limiting, auto-scaling**, and **load-balancing** techniques to ensure seamless performance.
- Integrated continuous learning and **real-time alerts** for proactive threat defence and post-attack analysis.
- **Technology used:** AWS, Kubernetes, Prometheus, Grafana, Python, Flask, NGINIX, etc.

SAR Image Colorization for Comprehensive Insight using Deep Learning Model   Jul-2024

- Developed a **Pix2Pix** framework with **a U-Net generator** for SAR image colorization, utilizing **IHS**- based artificial ground truth.
- **Technology used:** Python, TensorFlow, OpenCV, Scikit-learn, Jupyter notebooks, etc.

Core Skills

Languages: TypeScript, JavaScript, Python, HTML, C/C++, Java
Frameworks / Libraries: Express.js, React.js, Next.js, Django, Recoil, Prisma, CSS, Tailwind, Bootstrap,
Databases: MongoDB, PostgreSQL, SQL Plus.
Tools / Technologies: Docker, AWS, Cloudflare, Git, GitHub, OpenAPI Spec, Postman.

Volunteer Experience

Lead Member   Jun 2024

BMSIT

Organized and delivered in-depth sessions on **Express.js** and **MongoDB**, providing hands-on experience and practical knowledge to participants as one of the lead-member.

Education

BMSITM   Jun 2026
Bachelor of Engineering Computer Science **GPA 9.2**
VIDYANIKETAN PU COLLEGE Science Stream: **93.8**   Jun 2022