Prasad A Parit

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WORK EXPERIENCE

Nypus AI

Python Developer Intern   Dec 23 2024 - Feb 23 2025

- Spearheaded the Content Creation Team within the **CrewAI framework**, driving AI agent development for content generation and marketing tasks with exceptional results.
- Conceptualized and deployed three AI teams using **OpenAI** and **LangChain** for content creation, SEO optimization, and marketing strategies, showcasing expertise in AI development and deployment.
- Successfully implemented **vector databases** for long-term memory in AI agents, significantly enhancing contextual understanding and operational efficiency, and setting a new standard for AI agent performance.

EDUCATION

JSSATE Bengaluru

Bachelor of Engineering(BE) in Computer Science   Nov 2022 - Jun 2026

PROJECTS

BUILT A USER-FRIENDLY LINUX COMMAND MENU

- Streamlined **Linux** command execution with an intuitive menu, reducing task completion time by 25%.
- Enhanced productivity by cutting task navigation time by 45 minutes through **Python scripting** .

BUILT A 3-TIER BLOG WEB APPLICATION USING DOCKER

- Deployed **MySQL** and **WordPress** containers on a custom **Docker network**, improving connectivity and cutting deployment time by **40%**.
- Enabled **persistent MySQL storage** and optimized orchestration, boosting system reliability by **25%**.

BUILT A STATIC WEBSITE USING TERRAFORM AND CLOUD

- Automated **static website** deployment, cutting manual effort by **30%** and costs by **15%**.
- Provisioned infrastructure **25%** faster with **Terraform,** ensuring **99.99%** uptime via **Amazon S3**.
- Enabled **24/7 availability**, improving customer satisfaction by **20%**.

IMPLEMENTED A CI/CD PIPELINE

- Built a J**enkins-based CI/CD pipeline**, reducing build time by 30% and improving code quality by 25%.
- Achieved 50% faster deployments with **Docker**, 80% cost reduction, and 90% efficiency boost via **Argo CD**.
- Ensured code quality checks using **SonarQube**, resulting in a 20% reduction in defects and 12% improvement in code maintainability.

AUTOMATED CONFIGURATION OF A LOAD BALANCER

- Automated **Docker-based HTTP server** deployment with **HAProxy** using **Ansible**, cutting setup time by 75% and ensuring scalable, consistent infrastructure.
- Optimized **HAProxy** and Docker orchestration, improving server response times by **30%.**

SKILLS

- **Containers:** Docker, Kubernetes, Istio Mesh
- **CI/CD:** Jenkins, Git, GitHub
- **Amazon Web Services:** EC2, EKS, Lambda, CloudFront, ELB, ECS, VPC, S3, EBS
- **Operating System:** Linux, RedHat
- **Configuration:** Ansible, AWS Systems Manager, Microservices, Basics of Apache Kafka
- **Infrastructure as Code (IaC):** Terraform
- **Monitoring Tools:** Prometheus, Grafana
- **Artificial Intelligence:** Machine Learning, Deep Learning
- **Programming Languages:** Python, C, C++