Harsh Patel

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SKILLS

Programming Languages: JavaScript, HTML, CSS, ReactJS, Java, Python, .Net

Frameworks: TensorFlow, PyTorch, React Testing Library

Technologies: AWS, Virtual Machine Configuration, MongoDB, Event Camera SDKs

Specialization: Network Engineering, Cloud Solutions, Data Encryption, API Development

EXPERIENCE

Bluegrey Technologies, Vadodara, Gujarat   *Jan 2023 – Jul 2023*
Network Engineer
- Engineered and optimized wireless networks for 50+ clients, enhancing network reliability and reducing downtimes by 30%.
- Implemented advanced network security protocols using PFSense Firewall and Cisco systems, safeguarding against cyber threats.
- Collaborated with cross-functional teams to resolve connectivity issues, achieving a 15% improvement in client satisfaction ratings.

InfoservOps, Vadodara, Gujarat   *Aug 2022 – Jan 2023*
Network Administrator
- Automated network monitoring processes by integrating advanced tools, reducing response times to critical system alerts by 40% and enhancing operational efficiency across all teams.
- Deployed hybrid cloud solutions integrating AWS with on-premises systems, enhancing infrastructure flexibility and reducing operational costs by 20%.
- Provided technical support and conducted training sessions for 25+ employees to enhance technical proficiency.

InfoservOps, Vadodara, Gujarat   *Jul 2021 – Sep 2021*
Cloud Computing Engineer
- Implemented cloud infrastructure for the "Laundry Kingdom Ltd." project, achieving a 15% reduction in operating expenses.
- Configured virtual machines and optimized workloads, reducing latency by 25% and increasing system efficiency.

PROJECTS

Vaccination Database Management System   *Jul 2022 – Sep 2022*
- Developed and deployed robust data privacy protocols in compliance with HIPAA regulations, bolstering patient trust, ensuring secure record storage, and improving accessibility for healthcare providers.

Scalable Machine Learning Network   *Nov 2022 – Jan 2023*
- Architected and validated fault-tolerant algorithms, ensuring seamless master-node communication and reliability under high-load conditions.

Data-Driven Feature Tracking for Aerial Imagery   *Aug 2022 – Oct 2022*
- Developed and optimized a feature detection model for 3D reconstruction and pose estimation, improving aerial navigation and mapping through event camera data processing.
- Engineered a deep learning model to identify and track features between aerial video frames captured by event cameras, enhancing tracking precision and computational efficiency.

CSStipendRankings - Stipend Analytics Tool   *Feb 2023 – May 2023*
- Developed a mobile-friendly web application to rank PhD stipends using dynamic CSV data parsing and filtering techniques.
- Optimized data visualization tools to provide customized views for users, enhancing user satisfaction.

EDUCATION

Saint Louis University, St. Louis, MO   *May 2025*
Master of Science in Computer Science
- Relevant Coursework: Machine Learning, Cloud Computing, Data Structures.

Parul University, Vadodara, India   *May 2022*
Bachelor of Technology in Information Technology
- Relevant Coursework: Network Security, System Design.

CERTIFICATIONS

RWF-100 RUCKUS Wireless Fundamentals

The Fundamentals of Digital Marketing (Google Digital Unlocked)

Developing Android Apps with App Inventor (HKUST)

Cyber Security in Manufacturing (SUNY)