Swastik Madhav Kulkarni

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EDUCATION

Sreyas Institute of Engineering and Technology　　　　　　　　　　Hyderabad, Telangana
Bachelor of Science in Computer Science (AI-ML)　　　　　　　　　　*Oct. 2020 – July 2024*

EXPERIENCE

Associate Software Engineer-Trainee　　　　　　　　　　　　　　　Mar 2025 – Jun 2025
Mphasis Limited　　　　　　　　　　　　　　　　　　　　　　　　*Pune, Maharashtra*

- Completed intensive training in Unix, Power BI, T-SQL, MongoDB, and Azure, resulting in a 30% boost in deployment efficiency.
- Developed a Hospital Management System in Python and MySQL, reducing patient management errors by 25%.
- Built a Power BI retail dashboard, improving insights and cutting analysis time by 40%.
- Automated KPI reporting with DAX, reducing manual effort by 60% and improving decision-making speed.

Assistant System Engineer - Trainee　　　　　　　　　　　　　　　Aug 2024 – Oct 2024
Tata Consultancy Services　　　　　　　　　　　　　　　　　　　*Hyderabad, Telangana*

- Configured and deployed Windows/Linux servers using Hyper-V, simulating enterprise environments.
- Enhanced infrastructure efficiency through networking and system diagnostics, reducing lab downtime by 20%.
- Conducted virtualization, patching, and OS troubleshooting to ensure stable environments.

Web Developer - Intern　　　　　　　　　　　　　　　　　　　　Apr 2024 – Aug 2024
RedCloud Technologies　　　　　　　　　　　　　　　　　　　　*Hyderabad, Telangana*

- Developed and optimized e-commerce platforms on Shopify and WordPress, improving engagement by 30%.
- Integrated secure payment solutions and critical plugins, boosting conversions by 18%.
- Customized Shopify themes and automated product uploads, saving 10+ hours weekly.
- Improved UX through analytics-based enhancements, lowering bounce rate by 22%.

PROJECTS

Slot Booking For Vehicle Parking | *Python, Flask, Flutter, Android Studio, MySQL*　　Nov 2023 – Feb 2024

- Created a real-time mobile app for parking management with GPS geo-tracking and payment integration.
- Color-coded availability improved accuracy by 35%; refunds auto-processed with user location.
- Reduced booking conflicts by 40% through optimized slot logic and transactional consistency.

Customized Virtual Assistant Chatbot | *HTML, CSS, Gemini AI API*　　　　　　　Mar 2024 – Apr 2024

- Built AI-powered assistant automating summaries, schedules, weather updates, and mail parsing.
- Used NLP to enhance intent recognition, increasing accuracy by 25%.

Hospital Management System | *Python, MySQL*　　　　　　　　　　　　　　　　　May 2025

- Developed a full-stack admin system for hospital operations—patients, doctors, billing, and services.
- Applied OOP and MySQL CRUD operations to streamline workflows and auto-generate bills.

TECHNICAL SKILLS

Languages: Python, C, MySQL, T-SQL, MongoDB, JavaScript, HTML/CSS, Shell Scripting, Java, Unix, Cloud Computing
Frameworks: Flask, React, WordPress, Shopify
Tools: Git, GCP, VS Code, Power BI, Eclipse, PyCharm, Azure
Libraries & Technologies: NumPy, pandas, matplotlib, seaborn, OpenCV, nltk, CNN, TensorFlow, PyTorch