Swastik Madhav Kulkarni

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EDUCATION

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

EXPERIENCE

Associate Software Engineer - Trainee   Mar 2025 – June 2025
Mphasis Limited   *Pune, Maharashtra*
- Completed advanced training in Unix, Power BI, T-SQL, MongoDB, and Azure, improving deployment efficiency by 30%.
- Developed a Hospital Management System using Python and MySQL, reducing patient data errors by 25%.
- Created interactive dashboards for retail metrics in Power BI, reducing manual analysis time by 40%.
- Streamlined KPI reporting with DAX, eliminating 60% of repetitive tasks.

Assistant System Engineer - Trainee   Aug 2024 – Oct 2024
Tata Consultancy Services   *Hyderabad, Telangana*
- Provisioned Windows/Linux servers on Hyper-V for simulated enterprise environments.
- Diagnosed and resolved network issues, improving system availability by 20%.
- Implemented virtualization strategies and OS maintenance routines.

Web Developer - Intern   Apr 2024 – Aug 2024
RedCloud Technologies   *Hyderabad, Telangana*
- Developed e-commerce websites using Shopify and WordPress, increasing customer interaction by 30%.
- Secured transactions through integrated payment gateways and third-party plugins.
- Automated product uploads with custom scripts, saving 10+ hours weekly.
- Enhanced UI/UX with Google Analytics insights, reducing bounce rates by 22%.

PROJECTS

Slot Booking for Vehicle Parking   Nov 2023 – Feb 2024
Python, Flask, Flutter, Android Studio, MySQL
- Created a real-time mobile booking system with visual slot indicators, improving booking accuracy by 35%.
- Implemented GPS-based auto-cancel and refund logic to reduce customer complaints.
- Integrated payment handling and slot optimization to prevent overbooking.

Virtual Assistant Chatbot   Mar 2024 – Apr 2024
HTML, CSS, Gemini AI API
- Built an AI chatbot for text summarization, reminders, email parsing, and weather information.
- Applied NLP techniques to enhance intent detection and response precision, **improving user query resolution efficiency**.

Hospital Management System   May 2025
Python, MySQL
- Built an admin panel for hospitals to manage patients, doctors, billing, and services.
- Applied OOP principles for modularity and efficient workflows.
- Deployed automated billing logic to cut manual processing by 40%.

CERTIFICATIONS

- Cloud Computing – NPTEL Certification
- Full Stack Development – Python Bootcamp
- Hackathon Participation – State-Level (SDE Track)
- Research Publication – Slot Booking for Vehicle Parking

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML, CSS, Bash
Databases: MySQL, MongoDB, T-SQL, Firebase
Frameworks & Platforms: Flask, React, WordPress, Shopify, Azure
Tools: Git, Power BI, Visual Studio, PyCharm, Eclipse
Libraries: NumPy, pandas, matplotlib, OpenCV, NLTK, seaborn, TensorFlow, PyTorch
Soft Skills: Teamwork, Communication, Problem Solving, Adaptability