Balakrishna Goud Malela

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SUMMARY

Motivated and detail-oriented professional with a strong technical foundation and a year of hands-on experience in web development. Skilled in building comprehensive web applications and optimizing business solutions through technology. Proficient in programming and database management, fostering learning environments, and ensuring efficiency in projects. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team.

PROFESSIONAL EXPERIENCE

Application Engineer

Newgen Software Pvt Ltd | Mumbai, India | Aug 2023 – Jul 2024

- Developed and optimized the **Document Generation feature** for the Agricultural Loan Origination System (ALOS), improving document processing speed by **40%** for the State Bank of India.
- Collaborated with a **cross-functional team of 10+ engineers**, ensuring seamless integration of document workflows into the banking system.
- Implemented **efficient database queries (Oracle)**, reducing response time by **30%**.

Application Engineer Intern

Newgen Software Pvt Ltd | Mumbai, India | Feb 2023 – Jul 2023

- Gained hands-on experience with **iBPS** (Intelligent Business Process Suite), improving workflow automation and business process efficiency.
- Assisted in **debugging and optimizing** enterprise-level applications, ensuring a **99.9% uptime** for critical banking services.

PROJECTS

RentalsBook – Car Rental Management System

- Designed and developed a **scalable web application** for car rental bookings using **PHP, MySQL, JavaScript, HTML, and CSS**.
- Integrated secure authentication and an admin dashboard, improving booking efficiency.

Automation Testing for Dynamic GUI Interfaces

- Developed an **end-to-end testing utility** using **Playwright, Python,** automating UI tests for **dynamic web applications**.
- Improved test coverage by significantly reducing manual QA efforts.

SBI Agricultural Loan Origination System (ALOS)

- Led the **Document Generation feature** development, utilizing **HTML, CSS, JavaScript, and Oracle**.
- Optimized document handling workflows, enhancing operational efficiency.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C/C++, PHP, JavaScript, HTML/CSS
- **Databases:** MySQL, Oracle, MS SQL Server
- **Frameworks & Libraries:** Playwright, Selenium, BeautifulSoup, NumPy, Pandas, Matplotlib
- **Development Tools:** VS Code, Eclipse, Netbeans

EDUCATION

Texas Tech University (Master of Science in Computer Science**)**

Lubbock, USA | Aug 2024 – Present

- **CGPA:** 3.5/4

Graphic Era University (Bachelor of Technology in Electronics and Communication Engineering**)**

Dehradun, India | 2019 – 2023

- **CGPA:** 9.27/10

COURSES

- Data Structures and Algorithms in Python – Coding Ninjas
- Advanced SQL – Udemy
- Java Bootcamp – Udemy