# BALA KRISHNA MAKINENI

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## EDUCATION

**B.TECH in Computer Science**, RVR & JC College of Engineering  CGPA: 8.2/10.0        2020 - 2024

## SKILLS

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|---|---|
| **Technical Skills:** | JAVA, Python, JavaScript, Redis, Git, Github |
| **Frameworks:** | SpringBoot Flask |
| **Databases:** | PostgreSQL, MongoDB |
| **Coursework:** | DSA, DBMS, OS, CN, OOP, Linux |

## EXPERIENCE

**Software Development Engineer in Test-1**                                    Jul 2024 - Present
Bidgely                                                                 *Bengaluru, Karnataka*

- Developed data preparation modules to prepare mocked user data as well as prod user data from the APIs asynchronously using multi-threading.
- Automated P0 and P1 cases at the framework level, which helped to detect the critical functional bugs
- Contributed to SQS-based asynchronous test orchestration, optimising distributed execution and raising test pass rate to 90%.
- Contributed to CI/CD automation with GitHub Actions, to run the test suites for each validation cycle.
- Contributed to backend automation frameworks using Java, Spring Boot, AWS SQS, and TestNG, enabling scalable and reducing the test suite execution time to 35%.

**Backend Developer Intern**                                                  Feb 2024 - Present
NAATS Aviation pvt ltd.                                               *Guntur, Andhra Pradesh*

- Built an API using Express.js that handles real-time data generated every 50ms. Deployed API on AWS EC2.
- Collaborated with cross-functional teams, including Aeronautical Domain experts, to refine project requirements.

## PROJECTS

**Blog Website: ([Demo](#) , [Github](#))**

- Programmed a blog web portal with Express.js and Node.js with MongoDB for data storage and retrieval.
- Integrated user authentication and authorization with Passport.js & Google Oauth.
- Designed a responsive front-end interface with HTML, CSS, and JavaScript.

**Weather web application: ([Demo](#) , [Github](#))**

- Developed a weather web application in React, utilizing OpenWeather API & GeoDB Api to provide real-time forecasts, and hosted the project on the Vercel cloud platform.
- Created different components such as a search bar and weather dashboard to enhance user experience.

## ACHIEVEMENTS

- Recognized with Spot Award for Automating the P0 and P1 cases at the framework level in Bidgely
- Solved 300+ coding questions on Leetcode, GFG and Codechef platforms.
- Achieved 1st place in InformaTrix Coding contest conducted in college.

## CERTIFICATIONS

- Web development BootCamp - Udemy, Programming in Java - NPTEL
- Python Programming - MTA Microsoft, AWS Cloud Foundations - AWS Academy