

SARATHKUMAR R

Software Developer

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SUMMARY

Software engineer with one year of experience who has a talent for solving difficult problems in novel ways. I work as a software developer at the Computational Intelligence Research Foundation, applying my expertise in a variety of operating systems and programming languages. I enjoy working with a talented team and am committed to furthering the company's technological progress and success.

SKILLS

Python technologies

- Matplotlib, Pandas, Numpy, Machine Learning, Django Web Frameworks, Django Rest API, Python Coding Language, Python Frameworks, and Knowledge of Python Libraries

Database technologies

- MySQL.

Web technologies

- Html5, Css3, Javascript, JSON, Figma and Bootstrap.

Tools

- GitHub , Pycharm, Jupyter, Visual studio , Xampp

EXPERIENCE

Software Developer

Computational Intelligence Research Foundation

July 2024 - Present

- Developed and maintained web applications using Python, Django, Django flask and RESTful APIs, improving application efficiency by 20%.
- Worked together with front-end developers to employ HTML5, CSS3, and JavaScript to create responsive, dynamic user interfaces.
- Designed and refined MySQL database queries, which led to a 15% decrease in query execution time.
- Resolved front-end and back-end performance issues, ensuring scalable and secure applications.
- 10% shorter deployment times were achieved by improving application deployment processes.
- improved API documentation, expediting new team member onboarding, and guaranteeing uniform API usage throughout projects.
- CIRF and the Bethel Matriculations School website were adhered to during sprint planning, daily stand-ups, and ongoing development.
- Worked with cross-functional teams to use Cpanel for code management, branching, and tracking. Mentored juniors Interns on best coding practices, code reviews, and design patterns.

Python Full Stack Developer Trainee Engineer

Palle Technologies

July 2023 - Nov 2023

- Gained hands-on experience in building end-to-end web applications using Python, Django, and RESTful services.
- Mastered front-end technologies such as HTML5, CSS3, JavaScript, for creating responsive and user-friendly interfaces.
- Worked on real-world projects following Student Management System, enhancing problem-solving and teamwork skills.
- Competent in database administration, guaranteeing web applications' effectiveness and data integrity.

PROJECTS

Event Management System

Personal • [Link](#)

- We will handle a number of event-related aspects in the Event Management System project, including the event name, date, location, organizer information, participant registration, and more. Events can be created, updated, and managed by users of the system. Additionally, it manages participant data. All event and participant data are safely kept in a database.

Technologies used: HTML, CSS, JavaScript, Bootstrap, Python, Django Web Framework, Django REST API, MySQL.

Personal Website

- Using HTML, CSS, JavaScript, and Bootstrap, I created a portfolio website that improved user experience and 45% page load speed.
- In the first week following launch, user engagement increased by 25% thanks to the collaboration with cross-functional teams to decide the website's functionality and design concepts.

Technologies used: JavaScript, HTML, CSS, Bootstrap, SCSS, PHP, and MySQL

EDUCATION AND CERTIFICATIONS

Computer Science and Engineering

Bharathidasan Engineering College /Anna University, Tamilnadu • 2023 • 7.78 CGPA

Python full stack development Certification Course

Palle technologies • Bangalor • 2023

Nan Mudhalvan, IBM Cloud Certification, 2022