MADHU K S

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SUMMARY

Entry-Level Python Full Stack Developer with hands-on experience in designing, developing, and deploying responsive web applications using Python, Django, REST APIs, HTML, CSS, JavaScript, and SQL. Proficient in CRUD operations, database design, backend development, and API integration. Strong problem-solving and analytical skills with the ability to collaborate effectively in Agile team environments. Seeking an entry-level software development role to contribute to scalable, secure, and high-performance applications while continuously learning and growing.

EXPERIENCE

Python Full Stack Developer Intern   October 2024 - September 2025
JSpiders   *Marathahalli, Bengaluru*

- Developed and maintained responsive web applications using Python, Django, HTML, CSS, JavaScript, and SQL.
- Designed and implemented RESTful APIs and performed CRUD operations following MVC architecture.
- Optimized SQL queries and backend logic, improving application response time and performance.
- Implemented authentication, form handling, and email notification features in Django applications.
- Followed clean code principles, debugging practices, and wrote modular, unit-testable code.
- Used Git and GitHub for version control, collaboration, and code management in team-based projects.

EDUCATION

GEC Mosalehosahalli, Hassan   Aug 2019 - Jun 2023
B.E. - Computer Science and Engineering   *CGPA: 7.78/10*

Venkatadri IND PU College Chintamani   June 2017 - March 2019
P.U.C in PCMB   *Percentage: 64.16/100*

New Govt High School, V.Kote, Chintamani   June 2014 - March 2017
SSLC   *Percentage: 73.60/100*

PROJECTS

- **Classic Electricals – Company Website**
  Tech Stack: Python, Django, MySQL, HTML, CSS, JavaScript, Bootstrap
  Developed a responsive company website with dynamic product listings across multiple categories. Implemented backend modules using Python and Django for contact and quotation requests. Integrated MySQL database for managing products, categories, and user inquiries. Enabled automated email notifications and built an admin panel for content and data management. Focused on responsive UI design, secure data handling, and optimized backend performance.

- **ID Authentication Using OTP for Library**
  Tech Stack: PHP, MySQL, HTML, CSS, JavaScript
  Developed an OTP-based authentication system to securely validate students during library book issuance. Implemented backend logic in PHP with MySQL for storing and verifying user credentials. Integrated automated reminders for overdue book returns, improving timely compliance by nearly 40%. Ensured secure validation using registered mobile numbers and institutional IDs.

- **Student Blood Donor Information Management System**
  Tech Stack: PHP, MySQL, HTML, CSS, JavaScript
  Designed and developed a searchable web-based system to manage student blood group records. Implemented CRUD operations for admin-level data management using PHP and MySQL. Built a user-friendly interface to quickly retrieve donor contact details during emergencies. Improved accessibility and reliability of donor information within the campus.

SKILLS

- **Programming Languages:** Python, JavaScript, SQL
- **Web Technologies:** HTML, CSS, Bootstrap
- **Frameworks & APIs:** Django, REST APIs
- **Databases:** MySQL, SQLite, PostgreSQL
- **Version Control:** Git, GitHub
- **Operating Systems:** Linux, Windows
- **Concepts:** OOPs, ORM, CRUD Operations, API Integration, Responsive Design
- **Soft Skills:** Problem Solving, Fast Learner, Adaptability, Communication, Team Collaboration

ROLES AND RESPONSIBILITIES:

- Develop, test, and maintain scalable web applications using Python and Django.
- Implement RESTful APIs and integrate frontend interfaces with backend services.
- Design optimized SQL queries and manage relational databases.
- Use Git and GitHub for version control and collaborative development.
- Ensure clean code practices, modular design, and application reliability.

CERTIFICATIONS

- **Python Full Stack Development Training** – JSpiders, Marathahalli, Bengaluru
  (Python, Django, HTML, CSS, Bootstrap, SQL, JavaScript, Git)
- **Python (Basic)** – Certified on HackerRank: Link
- **SQL (Basic)** – Certified on HackerRank: Link
- **SQL (Advanced)** – Certified on HackerRank: Link

LANGUAGES

- Kannada, English, Telugu