RAMESHKUMAR V

PYTHON DEVELOPER

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SUMMARY

Highly skilled **Python Developer** with hands-on experience in **software development** through a 3-month internship and multiple academic projects. Proficient in designing and developing **RESTful APIs** using **Flask** and **FastAPI**, with expertise in **data manipulation**, **analysis**, and **backend development**. Earned a **Gold Badge in Python** on HackerRank, demonstrating exceptional **problem-solving** and programming skills. Adept at collaborating in dynamic environments, delivering high-quality solutions, and continuously learning to enhance technical expertise. Excited to contribute to innovative projects and grow professionally in a challenging role.

EXPERIENCE

Software Developer Intern | Pentafox Technologies | Jun 2024 - Aug 2024
- Contributed to the development of **RESTful API**s using Python's **FastAPI** for the KVB-LMS project.
- Managed data effectively using an Object-Relational Mapping **(ORM)** with **PostgreSQL**.
- Implemented security features, including token-based authentication and caching mechanisms using **Redis**
- Processed and managed uploaded Excel and CSV files, including data cleaning and storage operations..

PROJECTS

E-COMMERCE WEBSITE
PYTHON - DJANGO - FIREBASE - API - BOOTSTRAP 5

- Developed a scalable e-commerce platform using **Python** and **Django**, ensuring robust backend functionality.
- Designed a responsive and dynamic frontend using **JavaScript** and **Bootstrap 5** for an enhanced user experience.
- Implemented efficient database management with **MySQL**, ensuring data integrity and scalability.
- Integrated **RESTful APIs** to extend platform functionality and improve interoperability.
- Deployed the application on **Vercel**, leveraging **Firebase** for real-time updates and secure authentication.

OUTREACHING TOOL FOR INSTAGRAM
PYTHON | AUTOMATION | SELENIUM | GUI | THREADING | ASYNCHRONOUS

- Designed an interactive **GUI** using **Tkinter**, delivering a user-friendly interface and intuitive navigation.
- Implemented **multithreading** to optimize performance, enabling smooth task execution and responsive UI.
- Integrated **Selenium WebDriver** for automation and web scraping, efficiently extracting and processing data from Instagram.
- Utilized **Pandas** for streamlined data manipulation and analysis, enhancing data processing and workflow efficiency.

SKILLS

- **Programming Languages:** Python, JavaScript, MERN Stack (Basics)
- **Frameworks and Libraries:** Django, Flask, FastAPI, PyQt5
- **Databases:** SQL (MySQL, PostgreSQL), NoSQL (MongoDB)
- **API Development:** RESTful API design and implementation
- **Data Analysis:** Data cleaning, manipulation, and visualization
- **Web Development:** Responsive web design and development
- **Tools :** Git and Github, Excel

EDUCATION

- **B.Sc. COMPUTER SCIENCE** | NEHRU MEMORIAL COLLEGE | 2022-2025

ACHIEVEMENTS

- Earned a **Gold Badge** on HackerRank, demonstrating exceptional Python problem-solving skills.
- Secured **1st Prize** in the Debugging Competition at Valluvar Arts and Science College, Karur.