PAVAN KALYAN ANDE

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OBJECTIVE

Aspiring Software Developer with 2.5 years of experience, specializing in Python, JavaScript, and backend API development. Passionate about solving complex problems, improving system efficiency, and contributing to impactful projects in a collaborative environment.

SKILLS

- **Programming Languages:** C, Java, Python
- **Web Technologies:** HTML, CSS, JavaScript(ES6+), ReactJs(Beginner)
- **Database Systems:** MongoDB, MySQL
- **Tools Platforms:** GitHub, Postman, VS Code, JIRA, Excel
- **Concepts:** RESTful APIs, CRUD Operations, Unit Testing (PyTest), Agile Methodology, CI/CD (basic), JSON/XML parsing, Error Handling

EXPERIENCE

- **Infosys** *July 2021 - December 2023*
  Senior Systems Engineer Hyderabad, India
  - Developed and deployed over 25 RESTful APIs using Python, FastAPI, and MongoDB, reducing backend latency by 30%.
  - Built modular components for data transformation and preprocessing using Python (Pandas) and JavaScript.
  - Optimized MongoDB queries and ensured secure, scalable backend workflows.
  - Created automated unit tests with PyTest, improving code coverage to 85% and reducing production bugs by 20%.
  - Mentored junior developers, conducted code reviews, and promoted Python best practices.
  - Levearged usage of Pandas for efficient data manipulation and preprocessing for testing team.

- **Infosys** *February 2021 - May 2021*
  Intern Remote
  - Contributed to front-end development by supporting HTML and JavaScript-based UI enhancements and fixes.
  - Assisted in debugging and resolving UI-related issues to ensure smooth user interactions.
  - Applied logical thinking to implement interactive features and validations using JavaScript.
  - Optimized web pages for performance, accessibility, and responsiveness.
  - Gained hands-on experience in enhancing user experience through efficient code structuring and design improvements.

PROJECTS

- **RESTful API Mock Server**

  - Developed a fully functional mock server using FastAPI and MongoDB to simulate backend services.
  - Implemented complete CRUD operations, enabling easy testing and integration with frontend apps.
  - Integrated Swagger UI for seamless API documentation and interactive exploration of endpoints.

- **Data Cleaning and Visualization Tool**

  - Created robust Python scripts using Pandas to clean, transform, and preprocess large datasets.
  - Leveraged Matplotlib to generate insightful visualizations for pattern analysis and reporting.
  - Automated the entire data pipeline to support repeatable analysis and improve decision-making accuracy.

EDUCATION

- **KL University**
  B Tech Computer Science and Engineering
  ◦ GPA: 8.01/10.00

June 2017 - April 2021
Vaddeswaram, Guntur, India

- **Raman Bhavan III**
  MPC
  ◦ Grade: 95.9%

May 2017
Vijayawada, India

- **Sri Chaitanya Techno School**
  Secondary Education
  ◦ GPA: 9.5/10

May 2015
Repalle, India

CERTIFICATIONS

- **Fundamentals of Data Analytics, Coursera**
- **Data Science with Python, SimpliLearn**

VOLUNTEER EXPERIENCE

◦ Assisted students in registering for EAMCET exams, ensuring successful and timely application submissions.

◦ Helped local villagers with voter ID registration and guided them through various government service applications.

◦ Promoted digital awareness and provided support for navigating online government portals.

◦ Led and coordinated club activities focused on Augmented Reality (AR) innovation and learning.