Vivekanand B

Engineer â€¢ Innovator â€¢ Entrepreneur
vivekanandb@hotmail.com | +91-97381-26623
github.com/vivekanandba | www.linkedin.com/in/vivekanand-balakrishnan-68448777

Summary

Seasoned AI Integration and Test Automation Specialist with over 7 years of expertise in developing AI-powered applications and automating processes. Skilled in integrating AI solutions with Microsoft Dynamics 365 Business Central to improve system functionality and efficiency. Proven track record of leading cross-functional teams and executing successful integrations. Proficient in AI technologies including machine learning, natural language processing, and computer vision. Passionate about leveraging AI for meaningful impacts.

Skills

- **Programming Languages & Frameworks:** Python, JavaScript, Flask, Playwright
- **AI Technologies:** Machine Learning, Natural Language Processing, Computer Vision, OpenAI API, Google Vertex API
- **Data Analysis & Visualization:** Pandas, Power BI, Jupyter
- **Cloud & DevOps:** Google Cloud Platform (GCP), Docker, Jenkins
- **Databases:** MongoDB, MySQL, SQLite
- **Project Management & Tools:** RESTful APIs, Software Architecture, Jira, Agile, Networking Protocols

---

Experience

AI Integration and Test Automation Specialist

Software Engineer | NovaSignal / NeuraSignal | Bangalore, India
Nov 2020 â€" Present

- **AI-Driven Test Automation:**
- Developed robust test automation scripts for GUI applications using Python and PyTest to enhance Business Central functionalities.
- Integrated AI solutions using OpenAI Assistant API to auto-generate test scripts and streamline testing processes.

- Technologies: Python, PyTest, OpenAI Assistant API

- **Cloud Progressive Web Applications:**

- Assisted in testing and enhancing cloud applications using Playwright for UI and PyTest for API testing, ensuring seamless integration with Business Central.

- Technologies: Playwright, PyTest, GCP

- **Microservices and API Development:**

- Designed RESTful APIs for secure data exchange between healthcare systems and cloud services, facilitating integration with Business Central.
- Technologies: Python, Flask, RESTful APIs, MLLP

Founder & Technician

Gadjoy Repair Services | Bangalore, India
Nov 2016 â€" Jan 2021

- Managed successful technology repair services, implementing custom software solutions to optimize business processes, reflecting strong entrepreneurial and problem-solving skills.

Sr. Engineer | Senior Lead Engineer

Tech Mahindra & Legend Technologies
Jan 2013 â€" Jan 2021

- Led teams in mechanical design and integration projects, gaining transferable skills vital for cross-functional collaboration and project leadership.

Education

- **Bachelor of Engineering (Mechanical Engineering)**
  Visvesvaraya Technological University (VTU) | First Class with Distinction | 2011

Patents & Publications

- **Patents:** System and Method of Generating Image of Vascular Flow Network - US20230329668A1
- **White Papers:** Published research on aerospace manufacturing techniques and design innovations.

Volunteering

- Developed an IoT-based air quality monitoring system and contributed to COVID relief efforts, demonstrating commitment to community welfare and technology-based solutions.
- Mentored aspiring engineers, fostering career growth and skill development within educational and professional communities.