

VIVEKANAND B

Engineer • Innovator • Entrepreneur
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GitHub | LinkedIn

SUMMARY

Experienced Software and Mechanical Engineer with over 10 years of experience, specializing in AI integration, test automation, and software development. Proven ability to develop AI-powered solutions to automate processes and enhance efficiency. Skilled in leading cross-functional teams to success and integrating complex systems. Proficient in Python, JavaScript, and various AI technologies. Passionate about leveraging AI to create impactful solutions.

SKILLS

- **Programming Languages & Frameworks:** Python, JavaScript, Flask, Vue.js
- **AI Technologies:** OpenAI API, Google Vertex API, Vision API
- **Test Automation:** PyTest, Playwright, AI-integrated test scripts
- **Cloud & DevOps:** Google Cloud Platform (GCP), Docker, Jenkins
- **Integration:** RESTful APIs, HL7, DICOM, Microsoft Dynamics 365 Business Central (familiarization potential)
- **Tools & Project Management:** Software Architecture, Jira, Agile, ISO 13485

EXPERIENCE

Software Engineer

NovaSignal / NeuraSignal

Nov 2020 – Present | Bangalore, India

AI and Test Automation Solutions for Cloud Applications

- Developed automated test scripts using PyTest for cloud-based applications, leveraging AI tools to enhance test automation efficiency. - Spearheaded the integration of AI-driven applications with cloud services, improving data-driven decision-making.

API and Integration Development

- Designed RESTful APIs for secure data integration, ensuring robust connections between services and compliance with healthcare standards. - Leveraged advanced integration techniques for data transmission, showcasing proficiency in secure and efficient system communication.

AI-Driven Automation Frameworks

- Innovated test automation frameworks using AI technologies, improving test coverage and reducing process timelines. - collaborated with teams to implement AI-driven solutions, enhancing functionality and operational efficiency.

Founder & Technician

Gadjoy Repair Services

Nov 2016 – Jan 2021 | Bangalore, India

- Founded and managed a gadget repair service, enhancing customer satisfaction and operational efficiency through technology solutions.
- Developed software systems for device monitoring and management, demonstrating strong problem-solving skills and entrepreneurial acumen.

Senior Engineer

Tech Mahindra

Jan 2019 – Jan 2021

Senior Lead Engineer**Legend Technologies**

Jan 2013 – Jan 2019

Trainee Engineer**Safran Engineering India**

Aug 2011 – Dec 2012

- Led multi-disciplinary teams in aerospace design and manufacturing, utilizing advanced CAD and simulations.
- Created software scripts for automation in mechanical design tasks, demonstrating project management skills.

EDUCATION

- **Bachelor of Engineering (Mechanical Engineering)**
Visvesvaraya Technological University (VTU) | First Class with Distinction | 2011
- **Deep Learning & Machine Learning Specialization (Andrew Ng)**

PATENTS & PUBLICATIONS

- **Patents:** System and Method of Generating Image of Vascular Flow Network - US20230329668A1
- **White Papers:** Research on aerospace manufacturing and slip ring design

VOLUNTEERING

- Contributed to IoT-based air quality and COVID relief platforms with mapshalli.org, Whitefield, Bangalore.
- Mentored engineering graduates and junior professionals in skill development and career growth.
- Organized engineering society events within the local community.