Vinayak Bagi

+91 - 8956565111 | vinayakbagi@gmail.com | [LinkedIn](#) | [Hacker Rank](#)

PROFILE SUMMARY

Experienced **Full Stack Developer** & **Machine Learning Engineer** with **10+ years** in AI-driven applications, software development, and cloud technologies. Skilled in designing scalable system architectures, leading cross-functional teams, and enhancing user experience. Have successfully guided projects from ideation to deployment, ensuring performance, reliability, and efficiency. Proactive in optimizing workflows, mitigating risks, and adopting emerging technologies to drive impactful solutions.

SKILLS

- Proficient in **React**, **Next.js**, **Node.js**, **Nest.js**, **Express.js**, **Angular**, **MongoDB**, **Jest** (Unit testing), **TypeScript**, **JavaScript**, and **MySql**.
- Proficient in **Generative AI** technologies, **Large Language Models (LLM)** and **building custom AI applications**.
- Extensive experience in **OpenAI GPT**, **Anthropic Claude**, **Hugging Face Transformers**, and **Stable Diffusion**, with expertise in **LLM fine-tuning**, **advanced prompt engineering**, and seamless AI model integration using **LangChain**, **LangGraph**, and **vector databases**.
- Experienced in Python-based ML frameworks including **Scikit-learn**, **TensorFlow**, **Keras**, **PyTorch**, **NLTK**, **OpenCV** and **Spark MLlib**.
- Strong understanding of **RESTful Web Services**, **FastAPI, Agile Scrum Methodology**, **Jenkins**, **Openshift, AWS** and **Vercel.**

PROJECT DETAILS

AI Technical Lead at **Integra** | *Luppa.AI*   *Jun 2024 - Present*
All-in-One AI Marketing Platform, which accelerates brand's growth with effortless content creation and automation - from text, images, and video to analytics, scheduling, and research.
- Designed and architected a scalable, modular system for AI-driven content automation.
- Engineered the entire backend from scratch, developing key services (Content, Image, Social) with seamless integration and optimized performance.
- Led AI feature development, enabling automated content creation, scheduling, and analytics.
- Used React, Node.js, Nest.js, Next.js, MongoDB, Python, Azure, Gen AI, Prisma, Shadcn and Vercel

Technical Lead at **Remote.com** | *Jeeves*   *Apr 2023 - Jun 2024*
Jeeves is a leading spending solution for forward-thinking teams everywhere, which issues corporate cards, sends cross-border payments, and manages company spend from one borderless platform.
- Led the conversion of a monolithic service to microservices architecture, enhancing scalability and resilience. Achieved independent scaling and fault isolation, leading to improved deployment efficiency, maintainability, and technology stack diversity.
- Spearheaded the team, overseeing services encompassing physical / virtual card creation, as well as card transactions management.
- Utilized React, Node.js, Nest.js, Next.js, MySQL, AWS, Gen AI, Python, HTML5 and CSS3 for implementation.

Technical Lead at **BigStep Technologies** | *VTS Rise*   *Nov 2021 - Mar 2023*
VTS Rise specializes in property operations and tenant experience, it provides landlords with a full-service platform that continues the journey of digitizing the entire asset experience.
- Integrated with industry leaders like Godrej, Schindler, and Schlage for tailored solutions in VTS Rise, enriching property management functionalities. This facilitated customized products for properties, improving security, access control, and automation, ultimately enhancing client satisfaction and operational efficiency.
- Orchestrated the development process from inception to deployment, ensuring meticulous analysis and error resolution.
- Leveraged React, Node.js, Nest.js, Next.js, Python, Mongoose, MongoDB, HTML5, CSS3, and AWS.

Full Stack Developer and MLE at **Mphasis** | *First Republic Bank*   *Nov 2019 - Nov 2021*
First Republic Bank is a leading American bank known for its personalized banking services tailored to high-net-worth individuals and businesses.
- Automated the rate sheet process at FRB, formerly manual, streamlining operations and ensuring accuracy. This reduced errors, increased efficiency, enabled scalability, improved data accuracy, and freed up human resources for more strategic tasks.
- Collaborated closely with clients to conceptualize and develop multiple backend and frontend apps tailored for First Republic Bank.
- Employed React, Nest.js, MongoDB, MySql, Next.js, Python and AWS to create a cohesive & high-performing system architecture.

Full Stack Developer and MLE at **Infogain** | *Jamestown Distributors*   *Jun 2017 - Nov 2019*
Jamestown Distributors is an online shopping platform specializing in shipping-related products and services.
- Develop captivating UIs using Next.js & Integrated user-facing components with server-side operations through Node.js & Express.
- Pioneered the creation of a polished UI component library, fashioning modular components spanning various scales, transforming reusability, expediting development, and delivering remarkable time and effort savings, all while upholding unwavering consistency.

Full Stack Developer at **Tech Mahindra** | *AT&T*   *Aug 2014 - Dec 2017*
AT&T is a multinational telecommunications conglomerate, offering a wide range of services including wireless communication, internet, and entertainment.
- Implemented innovative features within the myAT&T app, leveraging Node.js, Express and Angular to optimize functionality and ensure seamless integration of bill payment, account monitoring, and customer support services.
- Collaborated closely with cross-functional teams to design and deploy updates to the myAT&T app, resulting in improved efficiency and satisfaction for users accessing diverse services within a single, intuitive platform.

EDUCATION

Bachelor of Engineering (E&TC) from **KIT'S College of Engineering**, 2014. Graduated with **distinction**, achieving 70%.