Shubham Sunil Tade

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Associate Software Engineer | AI/ML | Generative AI | Computer Vision | Python

Summary

Associate Software Engineer with professional experience in frontend and full-stack application development, currently focused on AI/ML engineering, Generative AI, and Computer Vision. Experienced in building and deploying Web, Mobile, and Desktop applications using React.js, Python, FastAPI, Node.js, REST APIs, and MongoDB.

Currently expanding expertise in Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), PyTorch, TensorFlow, and OpenCV through structured learning and hands-on projects. Strong foundation in software engineering, API integration, system deployment, troubleshooting, and production-oriented application development.

Passionate about building intelligent, scalable applications and transitioning into an AI/ML Engineering role by combining software development experience with practical AI/ML expertise.

Technical Skills

- **AI / ML:** Machine Learning, Deep Learning, Artificial Intelligence, Generative AI, Natural Language Processing (NLP), Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Computer Vision
- **AI / ML Frameworks:** Python, PyTorch, TensorFlow, OpenCV, NumPy, Pandas, Scikit-learn
- **Computer Vision:** CNNs, Image Processing, Image Classification, Object Detection, YOLO, Transfer Learning, Image Segmentation
- **Generative AI:** LLMs, RAG, Vector Databases, Prompt Engineering, AI Application Development
- **Frontend:** React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Material UI
- **Backend & APIs:** FastAPI, Node.js, Express.js, REST APIs, API Integration
- **Mobile & Desktop:** React Native, Capacitor, Electron.js, Kotlin
- **Databases:** MongoDB, MongoDB Atlas, MySQL, Supabase, Firebase
- **Tools & DevOps:** Git, GitHub, Linux, Docker, Postman, VS Code, Figma

Experience

Nervesparks India Pvt. Ltd. Jun 2026 – Present
Associate Software Engineer – Lead Project Deployment (AIML) *Full-Time*

– Responsible for technical implementation, deployment, testing, troubleshooting, and delivery of AIML-focused software applications.
– Coordinate with stakeholders during implementation, testing, reviews, acceptance, and production deployment.
– Support integration of AI/ML capabilities with application interfaces, APIs, backend services, and deployment environments.
– Work across frontend, backend integration, system configuration, and deployment workflows to deliver production-ready applications.
– Investigate and resolve technical issues related to application integration, deployment, performance, and system reliability.

Ogive Technology Jun 2025 – May 2026
Software Engineer – Frontend Development *Full-Time*

– Independently developed and maintained client-facing Web, Mobile, and Desktop applications using React.js, Tailwind CSS, React Native, and Electron.js.
– Designed and implemented responsive, reusable, and user-focused interfaces across multiple application platforms.

– Integrated REST APIs and backend services to build dynamic and production-ready applications.
– Worked with Python and FastAPI-based services for application and machine learning API integration.
– Collaborated with stakeholders to understand requirements, implement features, troubleshoot issues, and deliver solutions on schedule.

Crio.Do Jun 2024 – May 2025
Frontend Developer Intern *Remote*

– Built production-oriented frontend applications using React.js, JavaScript, HTML, CSS, and modern development practices.
– Implemented responsive interfaces, API integrations, reusable components, and application state management.
– Improved debugging, optimization, and problem-solving skills through hands-on software development projects.
– Participated in peer code reviews and followed structured development and Git workflows.

AI/ML Learning & Projects

- Currently developing practical expertise in Machine Learning, Deep Learning, Generative AI, NLP, LLMs, RAG, and Computer Vision through structured coursework and hands-on implementation.
- Building foundational knowledge in neural networks, CNNs, model training, optimization, transfer learning, image classification, object detection, and segmentation using PyTorch and TensorFlow.
- Developing Computer Vision skills using OpenCV and modern deep learning approaches including YOLO, CNN-based models, and transfer learning.
- Learning Generative AI application development including LLMs, RAG pipelines, vector databases, prompt engineering, and AI-powered applications.

Projects

NinjaPaper Web Application 2024 – Present
React.js, Tailwind CSS, REST APIs

– Developed a performance-focused web application using React.js and modern UI/UX principles.
– Built reusable components and responsive layouts for cross-device compatibility.
– Integrated APIs and optimized application performance for improved user experience.

QTify – Music Browsing Application 2024
React.js, REST APIs

– Developed a responsive music browsing platform with search, filtering, and category-based navigation.
– Integrated REST APIs for dynamic content rendering and application functionality.
– Implemented reusable React components and responsive UI patterns.

Entrepreneurial Experience

PepperGrub Delivery Service Pvt. Ltd. Dec 2019 – Jun 2021
Managing Partner & Co-Founder *Remote*

– Co-founded and managed development of a hybrid grocery delivery application serving users in Akola, Maharashtra.
– Managed product development activities including application design, implementation, deployment, and operations.

Fozomi Food Delivery Service Pvt. Ltd. Dec 2018 – Jun 2020
Managing Director & Co-Founder *Amravati*

– Co-founded and developed a full-stack food delivery platform for regional users.

– Managed application development, deployment, and product implementation across Web and Mobile platforms.

Pexova Technology Pvt. Ltd. Dec 2017 – Mar 2020
Web Designer & Developer *Akot*

– Founded and led Web Development activities, overseeing design, development, and delivery of client projects.
– Delivered customized web solutions with a focus on usability, performance, and client requirements.

Freelance Experience

Ponzo Technology Pvt. Ltd. 2021 – 2022
Web Developer

– Developed backend services using Node.js, Express.js, and MySQL.
– Designed and integrated REST APIs for application functionality and data management.

Bhavna's Cake 2020 – 2022
Graphic Designer & Social Media Manager

– Created digital marketing assets and managed social media content and campaigns.
– Improved online engagement through content strategy and SEO-focused improvements.

Education

P. R. Pote Patil College of Engineering 2023
B.Tech in Computer Science Engineering *Amravati*