Prasad Nitin Pansare

LeetCode: prasad1922
LinkedIn: prasad-pansare
GitHub: DevPrasadX

Email: prasadpansare02@gmail.com
Mobile: +91-9765559032

SUMMARY

Frontend-focused software engineer with hands-on experience in building scalable, cloud-native applications using React, TypeScript, and AWS. Strong foundation in object-oriented programming, distributed systems, and secure RESTful APIs. Proven ability to deliver solutions in agile teams and solve ambiguous technical problems through end-to-end full-stack development. Passionate about leveraging technology to create intuitive and efficient user experiences.

EDUCATION

- **Technological University Dublin** — Ireland
  Masters in Advanced Software Development — *2025 – 2026*
- **MIT World Peace University** — India
  Bachelor of Technology, Computer Science (CGPA: 8.94/10) — *2022 – 2025*
- **MIT School of Polytechnic** — India
  Diploma in Computer Science (CGPA: 9.57/10) — *2019 – 2022*

TECHNICAL SKILLS

- **Languages**: Python, Java, JavaScript, TypeScript, C++, SQL, C, Data Structures
- **Cloud & DevOps**: Google Cloud (Vertex AI, BigQuery, Spanner), AWS, Azure, Docker, CI/CD
- **AI/ML**: NLP, Artificial Intelligence, TensorFlow, Generative AI
- **Full-Stack**: React, Node.js, Flask, REST APIs, Firebase, MongoDB, PHP, HTML, CSS
- **Systems & Security**: Distributed Computing, Networking, Algorithms, JWT, OAuth
- **Tools**: GitHub, ZOHO, GCP, AWS, JIRA, SDLC Best Practices

EXPERIENCE

- **Black Cherie, Pune** — Remote
  Frontend Software Engineer Intern (React, Cloud) — *Jan 2024 – Jan 2025*
  - **Frontend Ownership**: Built a real-time analytics dashboard using React, Flask, and AWS Lambda with JWT-based authentication, reducing breaches by 40%. Followed object-oriented principles and async patterns.
  - **Search Optimization**: Improved search result accuracy by 30% using advanced information retrieval techniques and query optimization.
  - **Agile Collaboration**: Worked in cross-functional agile teams to iterate on frontend components. Delivered features in weekly sprints and resolved ambiguous product requirements through discussion and prototyping.
  - **Cloud & DevOps Leadership**: Led AWS migration and NoSQL optimization across 5+ distributed projects, achieving 90% on-time delivery.
  - **Technical Documentation**: Documented frontend workflows and REST API contracts to support knowledge sharing and cross-team integration.

  - **Code-Gurukul Pvt. Ltd., India** — Pune, Maharashtra
    Operations Assistant — *June 2021 – August 2021*
    * **Project Assistance**: Assisted in 10+ projects with 95% on-time delivery.
    * **Cost Reduction**: Reduced costs by 15% through efficient budgeting and financial reporting.

PROJECTS

- **Container Stowage Optimization**: Reduced port rehandling costs by 25% using Python and rule-based heuristics. 2nd place at IMU National Conference.
- **Vetalux Smart Collar (Patented IoT-ML)**: Achieved 87% accuracy in pet emotion classification using TensorFlow. Hybrid edge-cloud deployment with STM32 + React Native.
- **Sentiment Analysis Tool**: Built NLP-based classifier (VADER, BERT) with 88% accuracy. Secure GCP deployment with API hardening.

GOOGLE CLOUD CERTIFICATIONS

- **MLOps with Vertex AI**:
- **Generative AI (Gemini/Imagen)**:
- **BigQuery & Data Analytics**:
- **Networking Fundamentals**:
- **Cloud Security**:
- **App Engine & Eventarc**:

PATENTS AND PUBLICATIONS

- **Patent**: Physiological and Emotion-Sensing Canine/Feline Collar Vest, [202521038338], 09/05/2025
- **Publication**: An Integrated Rule-Based Heuristic Approach for Container Stowage Optimization, Marine Engineer's Review, Vol.18, Issue 7, June 2024

Leadership and Campus Involvement

Finfluencers — Technical Head   MIT WPU
February 2023 – June 2024
  * **Platform Development**: Led development of a finance-focused content platform aimed at educating students on financial literacy.
  * **Team Management**: Coordinated a tech team of 4 developers to build a scalable web app using React and Firebase.

IRIS — Founding Member   MIT WPU
2022 – Present
  * **Research Contribution**: Helped set up technical and research workflows for AI/ML projects under IRIS initiative.

GDSC (Google Developer Student Club) — Tech Team Member   MIT WPU
2022 – 2023
  * **Community Tech Support**: Contributed to 10+ tech events and projects, supporting full-stack development and boosting community engagement.

SWE (Society for Women Engineers) — Tech Team Member   MIT WPU
October 2023 – July 2024
  * **Event Support**: Helped maintain SWE's internal systems and supported the tech team during events.