

# Prashant Kumar Yadav

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## EDUCATION

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- **Indian Institute of Information Technology** Lucknow, Uttar Pradesh, India  
*Bachelor of Technology - Computer Science and Artificial Intelligence, GPA: 8.5* August 2023 - June 2027

## EXPERIENCE

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- **Nugget By Zomato** Onsite  
*GenAI Intern* Dec 2025 - Feb 2026
  - **Voice Orchestration & Ticketing:** Built end-to-end ticketing logic for voice bots, including all internal tools required for LLM integration - enabling automated issue capture and resolution within the voice pipeline.
  - **Multi-Tenant Support Systems:** Engineered complete voice solutions for clients including Tata1mg and VoloHealth, implementing automated ticketing pipelines and multi-tenant architecture within the Nugget ecosystem to streamline cross-platform issue resolution.
  - **Telephony Infrastructure & Go Microservices:** Developed scalable Go microservices to integrate Ozonetel dialers, managing telephony signaling and SIP communication layers to optimize inbound and outbound call performance across production environments.
  - **Contextual UI Backend - Agent Handover:** Built the backend for a real-time contextual UI that surfaces full conversation context to human agents during call handovers - ensuring seamless transitions when the voice bot escalates unresolved queries to a live agent.
- **Nugget By Zomato** Onsite  
*GenAI Intern* June 2025 - Sept 2025
  - **End-to-End Voice Bot Development:** Designed and deployed a complete voice bot solution for clients like Namayatri, handling full-stack development including NLU, TTS, STT, and VAD integration.
  - **AI Voice Bot System Integration:** Integrated TTS (Google Gemini), STT (Deepgram), and NLU (OpenAI) into AI voice-bot platforms for clients like Lenskart, enhancing accuracy and reliability.
  - **Orchestration Framework for Voice Bots:** Built a modular orchestration framework for coordinating voice modules; adopted by Zomato Ads to automate customer support and improve UX.
  - **Go Microservices & DevOps:** Developed scalable Go-based microservices architecture for voice bot systems, managing deployment, monitoring, and performance optimization across production environments.
- **UBIQCURE : Healthcare StartUp** Remote  
*Software Engineering Intern (Tech Lead)* August 2024 - January 2025
  - **Full-Stack Platform Development & Cloud Optimization:** Developed four web portals (Landing, User, Health-Management, School-Management) using React.js, Node.js/Express, and MongoDB, while optimizing Azure CI/CD pipelines (60% faster deployments) and leading a 6+ member team via GitHub, Jira, and Confluence to improve productivity by 40%.

## OPEN SOURCE CONTRIBUTIONS

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- **stdlib-js : Standard library for JavaScript.** Remote  
*Maintainer* May 2024 - Present
  - **Contributions:** More than 145 merged Pull Requests.
  - **Fields for Contribution:** Added implementation of current BLAS, statistics packages and LAPACK packages. Contributed C-level BLAS extensions to improve numerical computing performance.
  - **New Packages:** Added packages for Extended BLAS Routines with Web Assembly Implementation.

## PROJECTS

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- **ScrapBot - Restaurant Scraper & RAG Chatbot** GitHub  
*Tech Stack: ReactJs, Python, Python, FastAPI, Websocket, BeautifulSoup, Docker, LangChain* April 2025
  - Developed a full-stack AI-powered platform to scrape restaurant data, build a semantic knowledge base, and enable natural language querying using Retrieval-Augmented Generation (RAG).
  - Built a FastAPI backend with WebSocket support and integrated a React.js frontend for interactive restaurant search, chatbot conversations, and menu browsing.
  - Deployed the containerized application using Docker and Render, supporting real-time chat, session management, and restaurant-specific Q&A.
- **KubeStore - Kubernetes Store Provisioning Platform** GitHub  
*Tech Stack: Go, React.js, Kubernetes (Kind/k3s), Helm, Docker, PostgreSQL, Redis* Feb 2026
  - Architected a full-stack store provisioning platform using Go and React to automatically deploy fully functional, isolated MedusaJS and WooCommerce e-commerce environments on Kubernetes via custom Helm charts.

- Engineered a secure, multi-tenant infrastructure utilizing namespace-level isolation, persistent volumes (PVCs), resource quotas, and dynamic Ingress routing (nip.io) for stable storefront URLs.
- Implemented production-ready backend features including Helm lifecycle management (upgrades, rollbacks), API rate limiting, audit logging, and automated TLS provisioning via cert-manager.

- **GO TERM - intelligent terminal build in Go**

GitHub  
May 2025

- *Tech Stack: GO, Gemini*

- It is an intelligent terminal assistant built in Go and powered by Gemini AI.
- It enhances your command line experience with AI-powered suggestions, error resolution, and command explanations.

## ACHIEVEMENTS

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- Reached a 4-star status on CodeChef, with a peak rating of 1813.
- Reached a Specialist on Codeforces, with a peak rating of 1534.
- Currently rated 1568 on LeetCode, with more than 430 questions solved.
- Achieved 386 rank globally in Codeforces Division 2 contests.
- Secured 3rd place in SuperMove Tour - dApption, organized by Spheron, Aptos, and IBW2024 (October 2024).
- Won 3rd prize in Finance Hackathon and 2nd prize in ML Hackathon hosted by Techkriti IIT Kanpur.
- Secured Global Top 11 in Walmart Sparkathon, competing against thousands of teams in an innovation challenge.
- Achieved Top 50 rank in Amazon ML Summer Challenge among 50,000+ global participants.

## SKILLS

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- **Languages:** Go-Lang, Python, C, C++, JavaScript, TypeScript, SQL, Bash, JAVA
- **Frameworks:** React, NextJS, Node, Bun, Express, Django, Langchain, Flask, GraphQL
- **DevOps Tools:** Docker, Kubernetes, Linux, GIT, GitHub, CI/CD, ArgoCD, AWS, CloudFlare, Vercel
- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB, Drizzle, Prisma
- **Platforms:** Firebase, Supabase, Cloudinary, Sanity

## ROLES AND RESPONSIBILITIES

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- **Coordinator of Web Wing of AXIOS, The Technical society of IIITL** August 2024 - Present  
*Coordinated 10+ tech club development events for 240+ students.*
- **Senior Member of FOSS Wing of AXIOS, The Technical society of IIITL** August 2024 - Present  
*Led open-source workshops for 240+ students and promoted Hacktoberfest.*