

PIYUSH KHATTAR

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WORK EXPERIENCE

SDE Intern

Apr. 2026 – Present

Hummingbird Web Solutions

On-site

- Developing high-performance web applications using **Next.js**, utilizing SSR, SSG, and API routes to deliver scalable and SEO-friendly solutions.

Software Developer Intern

Aug. 2025 – Mar. 2026

Robotico Digital

Remote

- Owned end-to-end development of a **React Native** HR application (Synergy), working closely with clients to gather requirements and deliver a streamlined employee leave management system.
- Implemented a SenseStudio-based photo quality validation pipeline enforcing **FR score** ≥ 0.8 , bounding-box checks, and image format validation, integrated with a **NestJS backend** and consumed via an **Angular frontend**.
- Built a real-time AI chatbot for a banking client with end-to-end **WebSocket communication**, enabling voice-note input and low-latency AI responses.

Backend Development Intern

Feb. 2025 – Jun. 2025

Techchefz Digital

Hybrid

- Developed scalable APIs and business logic for live client payment systems, focusing on reliability and **seamless payment flows**.
- Led backend development for Apollo Tyres' Fan Contest Entry event, generating and managing QR codes for over **5,000 users**.
- Constructed comprehensive unit and integration tests for backend components, achieving **90%** code coverage and preventing critical bugs from reaching production, leading to increased **client satisfaction**.

SDE Intern

Aug. 2024 – Jan. 2025

Vibo

On-site

- Designed and implemented **RESTful APIs** and new features in a microservices architecture using Agile practices, improving system reliability and maintainability by **35%**.
- Engineered secure user authentication flows with multi-factor authentication (MFA) using Clerk, resulting in a **99.99%** reduction in unauthorized access attempts and zero security incidents.

TECHNICAL PROJECTS

Inbox Insight AI | *Next.js, MongoDB, Google OAuth, OpenRouter, Gmail API* [🐙](#) [🔗](#)

Jun. 2025

- Developed an **AI-powered SaaS** Gmail dashboard with smart email intent detection, summarization, and multi-account management using secure Google OAuth authentication
- Integrated OpenRouter API for automated email summaries and actionable insights, reducing manual triage effort.
- Successfully tested with over **100 real users**, gathering UX feedback to iterate on features and improve reliability.

Real Time Image/Video Sharpening | *Python, PyTorch, Knowledge Distillation, Streamlit* [🐙](#) [🔗](#)

May. 2025

- Built a lightweight deep learning model for real-time image and video sharpening achieving **100+** FPS using knowledge distillation.
- Engineered a **modular backend architecture** for model inference and deployment with clean separation of concerns and optimized compute path.

EDUCATION

Bharati Vidyapeeth's College Of Engineering

Bachelor of Technology in Computer Science – GPA: 8.2

Nov. 2022 – June 2026

New Delhi, India

TECHNICAL SKILLS


Programming Languages: C/C++, JavaScript, TypeScript, Java, Python, SQL

Web Development: Node.js, Express.js, HTML5, CSS3, React.js, FastAPI, Next.js, Nest.js, REST APIs, Angular

Databases: MongoDB, MySQL

Developer Tools: VS Code, GitHub, Postman

ACHIEVEMENTS

Data Structures & Algorithms: Solved **600+** LeetCode problems with a LeetCode contest rating of **1753**. 

SQL 50 Badge: Earned from LeetCode for solving **50** SQL problems, demonstrating solid understanding of SQL and database queries. 