DIVYAM SHARMA

SOFTWARE ENGINEER

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WORK EXPERIENCE

Softechbee Private Limited, *SOFTWARE ENGINIEER* **04/2026 – Present | Bareilly**

Mainetx — Trading Platform & Digital Wallet - mainetx.com

- ***Stack:*** *React.js, Node.js, WebSockets (Socket.IO), PostgreSQL, TimescaleDB, Redis, Binance Kline Data Stream*
- Built a real-time leveraged trading platform supporting long/short positions, live market data, order execution, P&L calculations, portfolio management, and digital wallet integration. Developed 25+ REST APIs, implemented WebSocket-based price streaming, and optimized performance with Redis caching for low-latency trade execution.

Sayeed Foodstuff — E-Commerce & Product Management Platform - sayeedfoodstuff.com

- ***Stack:*** *Next.js, React.js, Node.js, Express.js, PostgreSQL*
- Developed a full-stack B2B/B2C e-commerce platform with 8+ core modules including product, inventory, order, and payment management. Achieved 95+ Lighthouse Performance, 95 Accessibility and 100 SEO, while reducing page load time to <2 seconds.

Almwjht — Corporate Website - almwjht.com

- ***Stack:*** *Next.js, Next.js API, SSR, Postgresql, GSAP*
- Developed a responsive corporate platform featuring 4+ service pages, portfolio, enquiry management, and SEO optimization, achieving 100 Lighthouse Performance and 100 SEO.

Droneacharya Aerial Innovations Limited, *SOFTWARE DEVELOPER* **06/2024 – 02/2026 | Pune**

AI Road Inspection Platform

- ***Stack:*** *React, React Query, Tailwind, FastAPI, PostgreSQL, MinIO, YOLO, OpenCV, Pytorch*
- Developed a full-stack AI platform processing 10,000+ video frames for automated road defect detection (cracks, potholes, waterlogging) using YOLO, OpenCV, and FastAPI.
- Built change-detection, analytics, and PDF reporting modules reducing manual inspection effort by 70%.

Fleet Management System

- ***Stack:*** *React, React Query, TailwindCSS, NodeJS, MongoDB, S3.*
- Engineered a drone fleet & inventory platform automating 15+ operational workflows, reducing downtime by 30% and improving dashboard performance from 2.8s → 1.1s (90+ Lighthouse).
- Developed scalable REST APIs, role-based access control, and inventory lifecycle management.

AI-Powered CCTV Safety Compliance System

- ***Stack:*** *React, React Query, Tailwind, Sanic, MongoDB, MinIO, YOLO,* RF-DETR, *OpenCV, Pytorch*
- Built a real-time AI monitoring system processing 30+ CCTV streams with <220ms inference latency for automated PPE compliance detection.
- Optimized event processing and real-time dashboards, saving 50+ manual hours/week.

Illegal Cannabis Detection System for Andra Pradesh Forest Dept.

- Developed an AI-assisted geospatial analysis platform processing 2,000+ acres of drone imagery with 85%+ detection accuracy.
- Integrated GIS visualization, hotspot mapping, and field-team coordination.

OJAS Aerospace Pvt. Ltd., *SOFTWARE ENGINEER* **08/2023 – 06/2024 | Dehradun**

HAL – Agriculture Services Platform

- Led a team of 8 engineers to deliver a full-stack agriculture platform supporting marketplace, drone booking, logistics, and multi-role administration.
- Improved application performance by 40% using Redis caching, query optimization, and frontend rendering improvements.
- Increased API availability to 99%+ through queue-based processing and scalable backend architecture on AWS.

HRMS Platform

- Re-architected the company's HRMS with facial authentication, attendance, leave, expense, and workflow automation.
- Reduced production defects by 47% through typed APIs, CI/CD improvements, and standardized backend validation.
- Optimized media processing, reducing upload time by 65% using image compression and streaming.

Aitra Development Pvt. Ltd., *FULL STACK DEVELOPER INTERN* **08/2022 – 06/2023** | **Noida**

- Delivered 5+ production-grade dashboards & business websites using React, Next.js, and TailwindCSS.

SKILLS

Languages — TypeScript, JavaScript (ES17+), SQL, Python

Frontend — React.js, Next.js, TypeScript, Redux Toolkit, TanStack Query (React Query), Tailwind CSS, SCSS, Material UI (MUI), ShadCN UI, HTML5, CSS3, GSAP, Motion, Responsive Web Design

Backend — Node.js, Express.js, REST APIs, WebSockets (Socket.IO), Authentication & Authorization (JWT, OAuth), Prisma ORM, TypeORM, RabbitMQ, Nginx

State management — Redux, Redux-toolkit, React-Query

Cloud & Devops — AWS (EC2, ECS, S3, Route 53, CloudFront), Docker, Docker Compose, DigitalOcean, Dokploy, Vercel, Netlify, CI/CD, Linux

AI & Computer Vision — PyTorch, YOLO, OpenCV

Databases — PostgreSQL, TimescaleDB, MongoDB, MySQL, Redis

AI Developer Tools — Antigravity, Claude Code

CERTIFICATIONS

Google Cloud Certification: Cloud Engineer, *Coursera*

Introduction to Search Engine Optimization, *Coursera*

EDUCATION

Lovely Professional University, *B.Tech – Computer Science & Engg. (Web Dev Specialization)* **2019 – 2023**

Hindustan Aeronautics Limited School, *Class XII (CBSE)* **2019**

Hindustan Aeronautics Limited School, *Class X (CBSE)* **2017**

LANGUAGES

ENGLISH (Proficient), **HINDI** (Native)

SOFT SKILLS

Problem Solving, Analytical Thinking, Communication, Collaboration, Leadership, Adaptability, Time Management, Attention to Detail, Stakeholder Management, Ownership & Accountability, Continuous Learning