

# GAGAN KUMAR

Portfolio : [thegagan-portfolio.vercel.app](https://thegagan-portfolio.vercel.app)

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## WORK EXPERIENCE

### Software Development Engineer · Astra Security

Apr 2025 → Present

- Designed and built the frontend architecture and core execution workflows for Attack AI, enabling scalable AI powered security operations and agent driven experiences.
- Architected and implemented key AI platform capabilities, including AI Validator integration, workflow orchestration, and production-ready interfaces that improved automation and operational efficiency.
- Owned the development of strategic platform initiatives, including Company Level Management, Dashboard and Home Page modernization, and Custom Login Script integration, enhancing usability, onboarding, and enterprise customization capabilities.
- Led frontend modernization efforts across repositories by upgrading core libraries including React 19, Next.js 15, TanStack Query v5, and Tailwind v4, reducing technical debt and preparing the platform for future scalability and maintainability.
- Improved platform reliability and release quality by resolving 140+ triaged issues, addressing high-priority defects, and proactively stabilizing critical workflows across multiple product areas.
- Contributed to engineering excellence through code reviews, architecture discussions, and documentation of critical workflows and APIs, identifying defects missed during QA, improving code quality, and reinforcing engineering standards across the team.

### Software Developer · Dimension64 (Sarvantar AI)

Aug 2023 → Dec 2024

- Led migration of a legacy Angular based administration platform to React and Next.js, delivering a responsive experience across desktop and mobile devices.
- Planned and executed the migration strategy from end to end, auditing existing functionality, prioritizing rewrites, and rolling out changes incrementally without disrupting active users.
- Developed core platform capabilities, including Mapbox-powered vehicle tracking, reusable UI components, and scalable frontend architecture aligned with product requirements.
- Partnered closely with product and business stakeholders to translate evolving operational requirements into reliable user experiences.

### Software Development Intern · EXL Service

Feb 2023 → Aug 2023

- Built an internal hiring platform using a .NET Core backend and Tailwind-powered frontend for managing candidate pipelines.
- Designed recruiter workflows and dashboards to replace manual tracking with structured stages and visibility into bottlenecks.
- Collaborated with senior engineers to establish patterns that could be extended after handoff.

## SKILLS TRIDENT

### Core Expertise

React Next.js

Javascript/Typescript Motion

TanStack Query/Table

Zustand shadcnUI/Radix UI

React hook form Zod

Bun/PNPM

### AI & Agentic

Mastra AI Vercel AI SDK

Multi-Agent Workflows

Agent Orchestration

AI Workflow Systems Tool Calling

### Backend & Data

Node.js Firebase Redis

REST APIs MongoDB

WebSockets

### Infra & Tooling

Git & GitHub Docker Vercel

Sentry Linear Jira

Apidog/Postman Figma

## EDUCATION

### Masters in Computer Applications

Graduated in 2023 with Web Technologies as specialization  
PES University, Bengaluru

### Bachelor of Computer Applications

Graduated in 2021  
Vivekananda Institute of Management,  
Bengaluru

## PERSONAL PROJECTS

### Triboon: Project Management Solution · [Live ↗](#)

- Built as a solo final-year Master's project, developing a full-featured project management platform with task creation, assignment management, role-based analytics dashboards, and real-time group chat capabilities.
- Implemented Firebase Realtime Database for live messaging and Firestore for project and task state management, enabling instant updates across sessions without requiring page refreshes.
- Built image upload for task attachments via Firebase Storage; role-aware dashboard surfaces different analytics views for admins vs members.
- Built as my first production-grade React application, intentionally choosing a complex domain to gain hands-on experience with state management, asynchronous data flows, and real-time synchronization.

### RapidLogr: Log Exploration Tool · [Live ↗](#) · [Github ↗](#)

- Built a log exploration platform with server-side filtering, where search, severity filtering, and date-range queries are processed on the server to maintain consistent performance at scale.
- Implemented URL-synchronized state management, ensuring every filter and pagination state is reflected in the URL for seamless sharing and bookmarking.
- Fully responsive layout; built to work as well on a phone during an incident as on a wide desktop monitor.

### Hirelink: Hiring Tracking Portal

- Developed an internal recruitment management platform at EXL Service, streamlining candidate tracking across application, screening, interview, offer, and onboarding stages.
- Built recruiter-focused dashboards with real-time pipeline visibility, status tracking, and bottleneck analysis, reducing reliance on manual spreadsheet-based workflows.
- Delivered a full-stack solution using .NET Core MVC and Tailwind CSS, translating business processes into scalable backend workflows and responsive user interfaces.

## ADDITIONAL EXPERIENCE

- **Freelance Designer (College Years):** Delivered branding and marketing assets for local businesses, developing client communication and requirement gathering skills while managing projects independently.
- **Volunteer Work :** Assembled and configured donated computers for a local government school, helping provide access to computer education for underprivileged students.

## HOBBIES & INTERESTS

- Exploring AI & Emerging Technologies
- Automotive Engineering & Vehicle Modification
- Sci-Fi Literature & Films
- Vintage vehicle & weapons restoration