

ABHISHEK BISHT

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SUMMARY

Software Engineer with strong expertise in MERN, Next.js, FastAPI, and Django REST Framework, focused on building scalable, production-ready applications. Proven ability to design high-performance APIs, optimize backend systems, and deliver responsive UI/UX. Experienced in real-time systems, role-based dashboards, and data-driven platforms that improve operational efficiency.

EXPERIENCE

Python Full Stack Developer

04/2024 – 04/2025

CADL (Chandigarh Academy of Digital Learning)

- Engineered scalable web applications using Django REST Framework, improving API efficiency and performance
- Implemented secure authentication systems, enhancing data protection and system reliability
- Built responsive UIs using React and Tailwind, improving cross-device usability
- Integrated third-party APIs, payment gateways, and WebSockets to enhance functionality

Full Stack Developer

05/2025 – 11/2025

Dexplovate Pvt. Ltd.

- Led development of scalable applications using MERN stack and FastAPI, improving system performance and modularity
- Architected MongoDB & PostgreSQL databases, enabling efficient data handling and scalable workflows
- Built high-performance APIs and integrated them with React frontends for seamless user experience
- Delivered real-time features and improved UI/UX through cross-functional collaboration

Software Engineer

01/2026 – 06/2026

Vahanfin Solutions Pvt. Ltd.

E-Challan Admin System

- Built and deployed a scalable E-challan admin dashboard using Next.js, Node.js, and MongoDB, improving operational workflow efficiency
- Designed and optimized REST APIs for vehicle challan data, enabling fast filtering, reporting, and real-time access
- Implemented role-based dashboards (RMCC, RMI, Admin) to streamline multi-user workflows and access control
- Developed dynamic data tables with Excel/CSV export, aligned with filters (last 7 days, 30 days, yearly), ensuring accurate reporting
- Improved backend performance by optimizing database queries, reducing API response time significantly
- Integrated frontend and backend seamlessly, enabling real-time data synchronization
- Delivered production-level UI using Tailwind CSS and modern component libraries

KEY ACHIEVEMENTS

- Built and deployed 10+ full-stack web applications using MERN, Django, FastAPI, and Next.js.
- Developed scalable REST APIs and real-time systems used in production environments.
- Designed role-based dashboard systems with secure authentication and authorization workflows.
- Optimized database queries and backend services, significantly improving application performance.
- Integrated third-party services including Stripe, Razorpay, OAuth, Cloudinary, and WebSockets.
- Implemented CI/CD pipelines and automated deployment workflows using GitHub Actions and Vercel.
- Delivered responsive, mobile-first user interfaces with React, Next.js, and Tailwind CSS.
- Architected MongoDB and PostgreSQL database solutions for scalable business applications.
- Built AI-powered applications and workflows using LLMs, Claude API, OpenRouter, and MCP.

SKILLS

Frontend

React.js, Next.js, TypeScript, Tailwind CSS, HTML, CSS, JavaScript

Backend

Node.js, Python, FastAPI, Express.js, Django REST Framework

Database

PostgreSQL, MongoDB, Redis, Qdrant (Vector DB)

Tools & DevOps

Docker, Docker Compose, Git, GitHub Actions, CI/CD, REST APIs, Celery, MinIO

AI & Machine Learning

LangChain, LangGraph, LLMs (OpenAI, Anthropic/Claude), RAG, AI Agents, Prompt Engineering, Sentence Transformers

Core Concepts

Authentication, JWT, OAuth 2.0, RBAC, API Optimization, System Design, MCP (Model Context Protocol), Workflow Automation

EDUCATION

Present

Master of Computer Applications (MCA)

Amity University

Pursuing

PROJECTS

JobPilot AI – MERN Job Portal Platform

Live: <https://job-pilot-web-three.vercel.app/>

- Built a production-ready MERN job portal platform with AI-powered resume building, mock interviews, ATS resume checking, and career roadmaps
- Developed 120+ REST APIs across jobs, applications, companies, and career tools using Node.js, Express, and MongoDB
- Implemented JWT + Google/GitHub OAuth authentication with role-based access for job seekers and recruiters.
- Integrated GROQ AI for resume scoring, cover letter generation, and mock interview evaluation; deployed on Vercel & Render with CI/CD.

E-Commerce Platform

Live: <https://ecommerce-shopiq.vercel.app/>

- Developed a full-stack e-commerce system with product catalog, authentication, and cart system.
- Built optimized APIs for product and order management, improving performance.
- Integrated Stripe payment gateway with webhook handling for secure transactions.
- Designed responsive UI with React and Tailwind, enhancing user experience.

Portfolio

Live: <https://abhishekbisht.vercel.app/>

- Designed and developed a modern, responsive portfolio using Next.js, TypeScript, and Tailwind CSS.
- Showcased professional experience, projects, technical skills, and achievements through an interactive user interface.
- Implemented optimized performance, SEO best practices, and fast page loading for improved visibility.
- Integrated GitHub repositories, resume download, and contact functionality to enhance recruiter engagement.
- Deployed on Vercel with CI/CD workflow, ensuring seamless updates and reliable availability.

AI Research Copilot

Live: <https://abryx-ai.vercel.app/>

- Built a full-stack AI-powered research assistant combining multi-agent orchestration, Retrieval-Augmented Generation (RAG), and Model Context Protocol (MCP) integration to automate complex document analysis and research workflows.
- Designed a multi-agent AI system using LangGraph with specialized agents (Supervisor, Planner, Researcher, Critic) for automated task decomposition and collaborative research reasoning.
- Built a RAG pipeline with Qdrant vector database, semantic chunking, cross-encoder re-ranking, and citation tracking for accurate document retrieval across large knowledge bases.
- Developed a full-stack application with FastAPI backend (async architecture, Celery, JWT/OAuth 2.0) and Next.js 14 frontend (TypeScript, TanStack Query, real-time SSE streaming).
- Containerized infrastructure using Docker Compose (PostgreSQL, Redis, Qdrant, MinIO) with Prometheus/Grafana monitoring and GitHub Actions CI/CD pipeline.