

# DURGESH TAWAR

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## TECHNICAL SKILLS

<b>Programming Languages:</b>	C++, JavaScript, TypeScript, Python
<b>Web Development:</b>	HTML, React.js, Node.js, Express.js, GraphQL, Redis, Docker, AWS S3, Kafka, GenAI , Tailwind CSS
<b>Database Management:</b>	MongoDB, SQL
<b>Core Concepts:</b>	Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
<b>Developer Tools:</b>	Git, GitHub, VS Code, Postman

## EXPERIENCE

<b>Redvision Technologies</b>	Aug 2024 – Present
Role - Software Development Engineer	<i>Indore, MP</i>

- Engineered SalesNinja (Enterprise Call Management System) using MERN stack, WebSocket, and AWS S3 pipelines; delivered real-time call tracking, analytics dashboards, and call recordings, boosting agent efficiency and scaling to 10K+ daily calls.
- Developed Task Manager Platform with React.js, Redux, GraphQL federation, and time-tracking modules; enabled secure video/file uploads to AWS S3 and supported 500+ enterprise employees, improving team-wide task completion rates.
- Built AI Chatbot Voice Agent (FundPilot) powered by LangChain, RAG architecture, OpenAI APIs, and Pinecone embeddings; served 2k+ monthly interactions, improving contextual accuracy and reducing fallback queries significantly.
- Integrated multi-lingual Speech-to-Text (Whisper) and Text-to-Speech (Google TTS, ElevenLabs), achieving 95% transcription accuracy and driving higher engagement in customer conversations.
- Implemented enterprise-grade security and reliability features with JWT authentication, RBAC, and validation middleware; strengthened system resilience, reduced unauthorized access attempts, and maintained 99.9% production uptime.

## PROJECTS

### UrbanNest ([Try it here](#))

- Built a real estate marketplace (UrbanNest) using React.js, emphasizing reusable components and optimized DOM rendering, improved property discovery and reduced page load delays for end users.
- Designed scalable backend services with Node.js and Express.js, implementing RESTful APIs, middleware, and routing; supported 1,000+ concurrent property listings and user transactions with high reliability.
- Integrated MongoDB for secure property data storage and retrieval, applying advanced indexing and query optimizations; improved search and retrieval performance by 50% under peak traffic.
- Streamlined property listing and transaction workflows, reducing overhead by 20% and enhancing user adoption across the platform.

### Text Summariser ([Try it here](#))

- Integrated a third-party text summarization API using RapidAPI and REST protocols into the client interface to condense long-form content, reducing average reading time from 5 minutes to 3.2 minutes per article.
- Crafted a clean and accessible user interface using React.js and Tailwind CSS to enhance readability and focus, resulting in a 24% increase in average session duration.
- Optimized UI rendering efficiency by applying React memoization and state tuning techniques to minimize renders, improving interaction response time by 40%
- Streamlined API content retrieval through response caching and persistent HTTP connections, decreasing API fetch latency from 700ms to 560ms.

## **EDUCATION**

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**Master of Computer Application**, Sage University , Indore  
**Bachelor of Science - (IT)**, Devi Ahilya Vishwavidyalaya, Indore

2022 - 2024  
2019 - 2022