

Komal Srivastava

Software Developer

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Summary

Looking forward for opportunities where I can use and nurture my skills with an objective of organizational growth and to work in an environment which encourages me to succeed and grow professionally.

Technical Proficiencies

Languages: C, JavaScript, Python

Frontend: HTML5, CSS3, Tailwind CSS, JavaScript (ES6+), React.js, Responsive UI Design

Backend: Node.js, REST APIs

Cloud (Basics): AWS S3, EC2, RDS, Lambda

Testing: Jest, React Testing Library (Basics)

Tools: Git, GitHub Actions, (CI/CD Basics), VS Code, Jira

Practices: Agile, SDLC, Debugging, Code Reviews, Performance Optimization

Experience

Programmer

May 2021 - April 2023

Tata Consultancy Services, Delhi

- Developed an internal GIS dashboard using React.js, JavaScript (ES6+), and HTML5 Canvas for drawing overlays on satellite tiles.
- Integrated Mapbox GL JS to render high-resolution map tiles dynamically based on tile IDs from Excel spreadsheets.
- Built custom annotation tools (like drawing paths, bus stops, blockers) using Canvas APIs for high-precision mapping.
- Designed responsive user interfaces using Tailwind CSS with keyboard shortcuts for improved productivity.
- Implemented dynamic forms, tool toggles, and validation using Formik.
- Used SheetJS for parsing Excel data and dynamically loading tile-based map datasets.
- Integrated REST APIs for GIS data processing and uploads.
- Supported CI/CD setup via GitHub Actions for automated testing and deployments.
- Explored TypeScript to enhance type safety during component upgrades.

Key Achievements:

- Increased annotation speed by 20% through UI/UX optimizations.
- Awarded "On-the-Spot (ToP)" delivering critical features early.
- Recognized as an "Accelerate Winner" for consistent excellence.

Projects

Forever E-commerce Platform (MERN Stack)

- Built a full-stack e-commerce platform supporting product browsing, filtering, and cart management.
- Integrated COD, Stripe, and Razorpay for secure payments.
- Developed an admin dashboard for managing orders, products, and inventory.
- Used MongoDB Atlas for data storage and Cloudinary for media hosting.
- Developed REST APIs for user, product, and order modules.
- Used Zustand for lightweight high-performance state management.
- Configured Webpack and Babel for optimized bundling and transpilation.

Education

Master's in Computer Application (MCA) (M.C.A)

Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Completed August 2025

Score: 73.8%

Bachelor of Computer Application (BCA) (B.C.A)

Integral University, Lucknow

Completed June 2021

Score: 83.5%