

SHIVAM KESHARI

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— Address:-Prayagraj, Uttar Pradesh, India

Summary

Computer Science undergraduate specializing in Full Stack Web Development using the MERN stack. Built scalable web applications with secure authentication, REST APIs, and optimized database queries. Strong foundation in Data Structures, backend development, and problem solving, with hands-on experience building production-style projects.

Skills

Languages & Technologies: JavaScript, Java, SQL

Frontend: HTML, CSS, React.js, Redux, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, REST API Development, JWT Authentication

Database: MongoDB, Mongoose, MySQL

Developer Tools: Git, GitHub, Postman, VS Code, MongoDB Compass, npm

Core Concepts Data Structures & Algorithms, CRUD Architecture, RESTful API Design, Authentication & Authorization, Web Application Architecture

Projects

AI-Based Skin Disease Detection System | *Python, CNN, TensorFlow/Keras* | *In Progress* **2026 – Present**

- Developing a deep learning based system to detect skin diseases from smartphone images using Convolutional Neural Networks (CNN).
- Implementing image preprocessing, feature extraction, and classification to identify different skin conditions.
- Designing a pipeline for image upload, model prediction, and disease severity analysis (mild, moderate, severe).

Expense Management | *MERN Stack* | [GitHub](#) **November 2025 – November 2025**

- Developed a MERN-based Expense Management application with user authentication, managing 300+ expense records across 6+ categories using RESTful APIs.
- Designed a responsive React UI for real-time expense tracking and implemented MongoDB/Mongoose validation for secure data storage.

Blog Management System | *Node.js, Express.js, MongoDB* | [GitHub](#) **October 2025 – November 2025**

- Designed and developed a secure and scalable Blog Management backend using Node.js and Express.js, handling 500+ simulated daily posts with 99% uptime. Built RESTful APIs and integrated MongoDB with Mongoose for efficient CRUD operations and optimized database queries.
- Implemented role-based authentication and authorization using JWT and bcrypt, supporting up to 1,000 concurrent users with secure access control. Integrated email notifications using Nodemailer, increasing user engagement by 40% during testing.

Awards & Certifications

- **Regional Mathematics Model Representation Competition:** Secured 2nd Rank at Cluster Level in Regional Mathematics Model Representation Competition.
- **Frontend Development Assessment – React.js (Knowledge Gate, 2025):** Scored 80%, demonstrating strong understanding of React components, hooks, and UI design.
- **Smart India Hackathon (SIH) Participant:** Developed a MERN-based document authenticity verification system.

Education

Bachelor of Technology (B.Tech) in Computer Science Engineering <i>United Institute Of Technology, Prayagraj</i>	Graduated: 2027 <i>SGPA: 8.0 / 10</i>
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High School (Class X) <i>Jawahar Navodaya Vidyalaya, Meja Khas, Prayagraj</i>	Completed: 2020 <i>Percentage: 89.9%</i>
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Intermediate (Class XII) <i>Jawahar Navodaya Vidyalaya, Meja Khas, Prayagraj</i>	Completed: 2022 <i>Percentage: 83.2%</i>
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