

Shashwat Shivam

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Education

Bachelor of Technology in Information Technology

Sri Sivasubramaniya Nadar College of Engineering | Chennai | 2025

- CGPA : 7.2
- Coursework : Data Structures & Algorithms, Artificial Intelligence, Operating Systems, DBMS, Computer Networks, Web Development, Cloud Computing, Agile Methodology, SSRS

High School

Delhi Public School | Ranchi | May 2020

AISSCE : 94.8%

Work Experience

.NET Software Developer Intern – Jharkhand Agency for Promotion of Information Technology (JAP-IT)

June 2024 to July 2024 | Ranchi, Jharkhand

- Increased Task Management System efficiency by 40% using ASP.NET MVC.
- Enhanced security by integrating RBAC, reducing unauthorized access by 90%.
- Improved UI performance by reducing page load time by 30% using Razor views & JavaScript.

Certifications

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate - Oracle • 2025

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional - Oracle • 2025

Skills

Languages: Python, JavaScript, Java, C#, HTML5, CSS3

Framework & Libraries: Flask, FastAPI, Tailwind, React.js, Node.js, Express.js, Redux, Socket.IO

Database: MongoDB, SQL, PostgreSQL

Tools & DevOps: Git, GitHub, Docker, Postman, CI/CD(GitHub Actions/Jenkins), Kubernetes, Docker Swarm

Projects

Diabetic Retinopathy - Python, CNN, Flask, Keras, TensorFlow

- Developed a CNN model achieving 85%+ accuracy for Diabetic Retinopathy detection.
- Integrated the model into a Flask web app, processing 50+ retinal images during testing.
- Improved image classification by 20% using preprocessing techniques like contrast enhancement.

Ride Booking Platform - React.js, Express.js, Node.js, MongoDB, Microservices, Socket.io

- Built a full-fledged MERN stack ride-booking app with 100% JWT-secured auth, Google Maps API & Socket.IO, improving response time by 40%.
- Engineered 4+ microservices (user, captain, ride, maps), increasing scalability & fault tolerance by 35%.
- Delivered React + Tailwind frontend, reducing load time 25% and enhancing 10+ ride workflows.

Virtual AI Assistant- React.js, Express.js, Node.js MongoDB, Microservices, Cloudinary, Google Gemini AI

- Built and AI-powered Virtual Assistant using MERN stack + Gemini API with real-time voice interaction and 95%+ response accuracy.
- Secured system with JWT auth & Cloudinary for media storage, boosting scalability by 40%.
- Enhanced UX via Web Speech API, cutting latency by 30% and increasing engagement by 2.5x.