

# Shashwat Vikram Singh

Indore | shashwatvikramsingh8@gmail.com | 9981171354 | LinkedIn | Portfolio

## Education

VIT Bhopal University | B.Tech Computer Science | CGPA: 8.05

2022 – 2026

## Technical Skills

**Languages:** JavaScript (ES6+), Python (NumPy, Pandas), Java (Spring), HTML5, CSS3 (Sass/LESS)

**Frontend:** React.js (Hooks, Context API), Redux, Bootstrap 5, Material UI, Responsive Design

**Backend:** MongoDB, SQL, MySQL

**Tools:** Git/GitHub, VS Code, Figma, Webpack, Postman

**Soft Skills:** Team Leadership, Agile Methodology, Cross-functional Collaboration, Mentoring

## Experience

**Frontend Web Developer Intern** | CODTECH IT SOLUTIONS PVT. LTD.

Feb 2025 – Apr 2025

- Engineered 5+ responsive web applications using React.js, improving load time by 40% through code optimization and lazy loading
- Implemented 20+ UI components based on Figma designs, achieving 99% cross-browser compatibility across Chrome, Firefox, and Safari
- Collaborated in 15+ code reviews with senior developers, reducing bug reports by 30% in subsequent deployments
- Led the UI/UX refinement process for a client project, resulting in a 25% improvement in user satisfaction scores

**Odoo Hackathon 2025 Participant** | Gandhinagar

Aug 2025

- Led a team of 4 developers in a 24-hour hackathon, delivering a functional e-commerce website with 15+ integrated features
- Constructed a responsive admin dashboard in 8 hours that managed 100+ product listings and user data
- Fostered team collaboration through effective task delegation and regular progress check-ins, ensuring all components integrated seamlessly

## Projects

**Genexis** | Epigenetic Aging Reversal Predictor

GitHub

- Created ML model using Python (Scikit-learn, Pandas) trained on 1,000+ biomarker datasets with 92% accuracy
- Designed React.js dashboard serving 500+ monthly users with Chart.js visualization and interactive methylation heatmaps
- Built Flask API backend handling 100+ requests/minute with Redis caching reducing response time by 60%
- Optimized model performance by 30% through feature engineering, decreasing prediction time from 3.2s to 2.2s
- Architected scalable data preprocessing pipeline for 10GB+ .idat files using Dask parallel processing, cutting processing time by 45%

**BlazeFix** | Forest Fire Prediction System

GitHub

- Built random forest classifier achieving 89% prediction accuracy processing 10GB/day satellite data with 2-hour refresh cycles
- Deployed Node.js prediction model on AWS EC2 serving 1,000+ daily API calls with load balancing handling 50+ concurrent requests
- Created interactive risk visualization using Leaflet.js covering 5,000+ square km with GeoJSON integration
- Engineered serverless ETL pipeline with AWS Lambda and S3, eliminating 85% of manual processing through automated workflows
- Integrated weather data from OpenWeatherMap API, improving prediction accuracy by 18% during monsoon season

## Certifications

- SEO Fundamentals Course (Semrush)
- Google - The Bits and Bytes of Computer Networking (Coursera)
- Walmart Global Tech (A.S.E.)