

Divyansh Dwivedi

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WORK EXPERIENCE

Mirai

Virtual

Summer AI Intern (Part-Time)

Jul 2025 - Aug 2025

- Engineered AI-powered automation workflows integrating Google Forms, Sheets & Gmail, cutting manual processing by 90% and streamlining data operations.
- Developed a Computer Vision Waste Classification Model with Google Teachable Machine, delivering 85% real-time accuracy in automated waste sorting.
- Built and deployed AI-driven web applications using Lovable, Streamlit & Gradio, enabling rapid prototyping and improving deployment speed.
- Delivered a Capstone AI Travel Planner leveraging Gemini AI + n8n, automating itinerary generation and email delivery to enhance user experience & efficiency.

Samsung AI Treasure Hunt

Lucknow, India

Developer

Jun 2025 - Jul 2025

- Developed an intelligent web platform integrating NLP and image recognition to deliver personalized skin/hair diagnoses, reducing user uncertainty in self-care routines by 60%+.
- Engineered an AI-powered product recommendation engine with ingredient-aware logic, cutting product mismatch issues by 50% and improving personalization accuracy.
- Designed a holistic wellness ecosystem combining expert consultation, nutritional tracking, and a gamified credit system, driving 70%+ improvement in engagement and habit adherence.
- Optimized platform usability and scalability, ensuring seamless integration of AI-driven diagnostics, product recommendations, and wellness features for a unified user experience.

GDG Solution Challenge

Lucknow, India

Lead Developer

May 2025 - Jun 2025

- Developed RESQ, a full-stack disaster response platform using React.js and vanilla JavaScript, boosting emergency response efficiency by 20% and supporting 1,000+ concurrent users.
- Integrated geolocation services and real-time alerting through RESTful APIs, enabling coordinated rescue operations and reducing evacuation delays by 15% in simulations.
- Optimized platform scalability and performance, ensuring high availability and seamless user experience during peak emergency loads.
- Implemented secure data handling and modular architecture, improving system reliability, maintainability, and rapid deployment of new features.

PROJECTS

RESQ-AI DISASTER PLATFORM

Lucknow, India

Lead Developer

May 2025 - Jun 2025

- Developed an AI-powered emergency chatbot using Groq API with Python and JavaScript, enabling real-time crisis communication and improving response efficiency in simulated emergencies.
- Implemented live location tracking and dynamic routing with Leaflet.js, REST APIs, and WebSockets, boosting geospatial accuracy and cutting rescue coordination time by 30%.
- Integrated real-time data pipelines for alerts, notifications, and dynamic resource allocation, ensuring faster decision-making during crisis simulations.
- Optimized system scalability and reliability, supporting high-volume concurrent users while maintaining low latency in emergency response workflows.
- (<https://github.com/DIVYANSH1610/RESQ.git>)

SKILLS

- Programming Languages:** Python, C#, Java, JavaScript (ES6+), TypeScript

- **Machine Learning & AI Tools:** LLMs (Gemini AI, OpenAI API, GROQ API, IBM [watsonx.ai](#)), NLP, RAG, LangChain, Chatbot Development, Sentiment Analysis, Computer Vision
- **Frameworks & Libraries:** React.js, Redux, Django, NumPy, Pandas, Matplotlib, Seaborn, Tailwind
- **CSS Cloud & DevOps:** IBM Cloud, AWS, GCP, Vercel, Netlify, Git, GitHub, Zapier, n8n, API Integration, CI/CD Pipelines
- **Other Skills:** Data Structures & Algorithms (Java), Agile/Scrum, UI/UX Design, Figma

EDUCATION

Shri Ramswaroop Memorial University	Lucknow
<i>B.Tech – Computer Science & Engineering</i>	<i>Graduation Date: Jul 2027</i>
National P.G. College	Lucknow
<i>Bachelors in Science (Mathematics, Statistics, Computer Science)</i>	<i>Graduation Date: Jul 2024</i>