

# SHASHI RANJAN YADAV

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## TECHNICAL SUMMARY

Full-stack developer with experience building scalable web applications using Python, Flask, FastAPI, Vue.js, React, PostgreSQL, and AWS. Strong foundation in REST API development, microservices, cloud deployments (EC2, S3,RDS), and Agile methodologies. Hands-on experience integrating LLMs, building dashboards, and deploying SaaS applications with CI/CD pipelines.

## EDUCATION

### Chandigarh University

*Master of Computer Application*

### Dr. Virendra Swarup Institute of Computer Studies

*Bachelor of Computer Application*

Mohali, Punjab

*Aug 2021 – Jul 2023*

Kanpur, Uttar Pradesh

*Aug 2018 – Jul 2021*

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, SQL, (Beginner: Java, Node.js)

**Frontend:** React.js, Vue.js, JavaScript (ES6+), Tailwind CSS, HTML/CSS

**Backend:** Flask, FastAPI, Django, RESTful APIs, Microservices Architecture

**Databases:** PostgreSQL, MySQL

**Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, GitHub Actions, CI/CD, Linux, Git

**Tools:** Git, Postman, Power BI, Tableau, Looker Studio, Jupyter, New Relic

**AI/ML:** Hugging Face, LLM Integration, Streamlit, Generative AI

**Concepts:** OOPS, Agile/Scrum, API Design, Data Visualization, Jest, Unit Testing

## EXPERIENCE

### Full Stack Python Developer

*Natlov Technologies*

Jun 2025 – Nov 2025

*Hyderabad, Telangana*

- Built a scalable society management system using Vue.js, FastAPI, and PostgreSQL, improving user task tracking efficiency by 35%.
- Designed and deployed REST APIs with FastAPI, reducing API response time through optimized endpoints.
- Implemented a microservice-based authentication module, enhancing security and isolating user management.
- Integrated geolocation-based APIs to dynamically fetch nearby societies based on user location.

### Associate AI/ML Engineer

*Aispry*

Nov 2024 – May 2025

*Hyderabad, Telangana*

- Developed a project management platform using Flask and JavaScript used daily by 40+ employees for task and leave tracking.
- Built full-stack inventory and record management tool with AWS EC2 hosting; automated daily entry workflows.
- Developed a modern dating web app using React, Next.js, TypeScript, and Flask; deployed on Vercel with CI/CD.

### AI Intern

*Aispry*

May 2024 – Oct 2024

*Hyderabad, Telangana*

- Created real-time dashboards using Power BI and Tableau, visualizing KPI metrics for business insights.
- Built Streamlit-based analytic portal integrating MySQL/PostgreSQL and advanced UI components.

## PROJECTS

### AI Dating App | React, Next.js, Tailwind, TypeScript, Flask, Vercel

Apr 2025 – May 2025

- Developed an AI-powered dating assistant with real-time chat, personalization, and conversational memory using Gemini 2.0 LLM.
- Built scalable REST APIs with Flask, enabling real-time message processing and recommendation generation.
- Implemented CI/CD pipelines and deployed fully responsive UI on Vercel.

### LLM-Based PDF Chat Interface | Streamlit, Flask, Hugging Face

Jan 2025

- Developed an interactive chat UI with real-time typing animations and conversational flow.
- Integrated persona-based conversation memory and LLM mock responses using Gemini and Hugging Face.

### Project Management Platform | Flask, AWS EC2, JavaScript, Tableau

Aug 2024 – May 2025

- Built full-stack tool for project creation, team assignment, and leave tracking with admin controls.
- Hosted on AWS EC2 with secure API endpoints and scalable architecture.