

# AAKRIT

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Una, Himachal Pradesh, India

**FULLSTACK DEVELOPER | PYTHON PROGRAMMER | AI/ML ENTHUSIAST**

## SKILLS

- **Programming Languages** : JavaScript, Python, TypeScript, C language, Java.
- **Frontend and Backend** : React.js, Next.js, Node.js, Express, Django, HTML, CSS, Tailwind, Redux, Axios, etc.
- **Database and ORMs/ODMs** : MySql, Mongo DB, Postgresql, Mongoose, Sequelize.
- **Data Handling and Visualization** : Numpy, Pandas, Matplotlib, Seaborn, BeautifulSoup.
- **ML/DL** : Sci-kit learn, Tensorflow, NLP.
- **Other tools** : Git, Github, Vercel, Render, Socket.io, Postman, Cloudinary, Bcrypt, Twilio, Nodemailer, etc.

## Professional Experience

### FullStack Developer Intern @Raniac ( Feb, 2025 –Nov, 2025)

- Engineered complex multi-step form workflows and data validation logic using **Next.js, TypeScript, and Django REST Framework**, ensuring seamless state management and backend integration.
- Developed and optimized **secure REST APIs** with Django and PostgreSQL, improving scalability and reducing response latency by over 25%. After First period at the internship – I leaded 2 other projects with a team of 3 interns.
- Collaborated cross-functionally in a fast-paced environment, quickly mastering **Django and Next.js** from scratch to deliver features under tight deadlines.

## Projects

### **TaskMaa** — Emotionally Intelligent Task & Goal Management Platform | [Live-Demo](#)

(Next.js, TypeScript, Node.js, Express, MongoDB, Redis, Socket.io, Hugging-Face )

- Architected a **full-stack productivity platform** with AI-driven motherly feedback and real-time collaboration using **Next.js (frontend)** and **Node.js + Express (backend)**.
- Implemented **Redis-based caching and background queues (Upstash)** to handle real-time updates, chat messaging.
- Engineered **secure, scalable REST APIs** with modular controllers, and async workers, ensuring high performance under concurrent user loads.
- Integrated **Socket.io** for instant messaging and live progress updates, creating a seamless collaborative environment.
- Designed reusable **TypeScript components**, optimized state handling via **Redux Toolkit**, and achieved fast page rendering with **Next.js App Router**.

### **Bank Default Prediction** — Deep Learning Classification System

(Python, TensorFlow, NumPy, Pandas, Scikit-learn)

- Developed a **deep learning model** to predict loan default probabilities using **TensorFlow** and custom preprocessing pipelines.
- Engineered **data cleaning, feature scaling, and pipeline automation** for efficient experimentation and reproducibility.
- Designed and trained multiple architectures, optimizing hyperparameters for maximum performance and stability.
- Achieved a **validation accuracy of 97%, AUC of 0.997, precision of 0.93, and recall of 0.97**, outperforming baseline ML models.
- Emphasized **model interpretability** and **evaluation metrics** to ensure fairness and reliability in credit-risk assessment.

## Accomplishments and Certifications

Being the Vidyalaya Captain of Boarding school (Jawahar Navodaya Vidyalaya Una ) I have leaded and organised all the events , quizzes , functions - demonstrating my leadership , teamwork qualities with confidence.

Machine learning specialization	IBM	DOF0Z5RO46VF
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Machine learning foundations	University of Washington	PBSV2MUGW715
Python to Access Web Data	University of Michigan	FUJZ7MSWKAEM
Python Data Structures	University of Michigan	5Z83UE11N9UJ

Education

- BSc Mathematics ( Atal Bihari Vajpayee Government college ) 2024 – 2027
- 12<sup>th</sup> Non-medical (Jawahar Navodaya Vidyalaya) 2023 – 9.5 (CBSE)
- 10<sup>th</sup> (Jawahar Navodaya Vidyalaya) 2021 – 9.3 (CBSE)