DEV AGNIHOTRI

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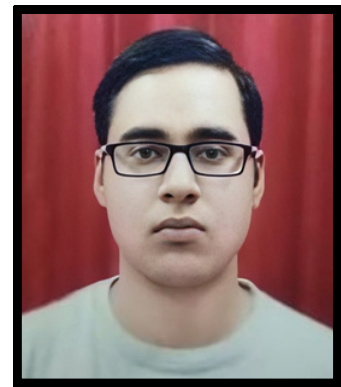
PROFESSIONAL SUMMARY

Full Stack AI Developer with experience in building AI-powered web applications, developing intelligent agents, and automating workflows. Strong foundation in data analysis, machine learning, and modern full-stack development using scalable architectures.

KEY SKILLS

- **Programming:** Python, JavaScript, TypeScript, SQL
- **AI & Agent Development:** AI Agent Development, LLM-based Applications, Prompt Engineering, Tool-Calling Agents, Workflow Automation
- **Data & Analytics:** Pandas, NumPy, Matplotlib, Seaborn, scikit-learn, Exploratory Data Analysis (EDA), Feature Engineering, Machine learning, Power BI, Advanced MS Excel
- **Web & UI:** Next.js, React, HTML, CSS, Tailwind CSS, shadcn/ui
- **State Management:** Zustand, Redux Toolkit
- **Backend & APIs:** REST APIs, tRPC, Prisma, Django, Fastapi, Nextjs API, Express.js
- **Databases & BaaS:** MongoDB, MySQL, Supabase, Appwrite, Firebase
- **Automation:** n8n
- **Data Collection:** Web Scraping (BeautifulSoup, Requests), API Integration
- **Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab

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PROFESSIONAL EXPERIENCE

Infosys   **25th August - 25th October 2025**
MEAN Stack Intern

- Developed and maintained web applications using the MEAN stack, contributing to frontend development, backend logic, and database integration.

Excelerate (Ed-tech Org)   **13th October - 13th November 2025**
AI Data Analyst

- Conducted exploratory analysis to extract insights supporting data-driven decision-making. Developed reports and a Course Recommendation system.

IBM Skillbuild   **9th September - 7th October 2025**
Artificial Intelligence Intern

- Worked with data to identify patterns, generate insights, and support better decision-making.

EDUCATION

Masters in Computer Application (MCA)   **2024 - 2026**

Jagran Institute of Management
CGPA : 8.7

Bachelor of Computer Application (BCA)   **2021 - 2024**

Jagran College of Arts Sciences and Commerce
CGPA : 9.0

CBSE 12TH   **2021**
Doon International School,
Percentage**:- 87.5%**
Subjects:- English, Mathematics, Physics, Chemistry, Computer Science

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CERTIFICATIONS

- IBM Generative AI for Data Scientists | Coursera
- IBM Machine Learning Professional Certificate | Coursera
- Artificial Intelligence Fundamentals with Capstone Project | Coursera
- IBM Back-End Development Professional Certificate | Coursera

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PROJECTS

BIOO - All your links in one place

Tech Stack :- React.js, Next.js API, MongoDB, react-router

- Created a customizable link-in-bio platform allowing users to create and manage personalized profile pages with multiple links.
- Implemented frontend components using React and Next.js along with backend API routes for profile and link management.
- Integrated MongoDB for persistent data storage and styled the application using Tailwind CSS for responsive UI.
- Link:- https://github.com/DevAgnihotri/BIOO

BOOSTR - Creator Support Platform
Tech Stack :- React.js, Next.js API, MongoDB, Mongoose, Next-Auth, Gemini API, Razorpay
- Built a full-stack creator funding platform enabling users to support creators through simple online payments.
- Implemented secure user authentication and session management using NextAuth.
- Designed backend API routes and data models with MongoDB/Mongoose for subscriptions, user data, and creator profiles.
- Integrated Razorpay for handling payment transactions and subscription billing flows.
- Also added AI-powered chatbot to help creators with Razorpay related issues.
- Link:- https://github.com/DevAgnihotri/Boostr
- Live Demo:- https://boostr-gray.vercel.app/

SpaceX landing prediction Data Science Capstone Project

Tech Stack :- Python, Pandas, Numpy, SQL, Folium, BeautifulSoap, Scikit-learn

- Collected and cleaned SpaceX launch dataset using Python, Pandas, and SQL, preparing structured data for analysis then Performed exploratory data analysis (EDA) to identify key patterns in launch success and mission attributes.
- Built predictive models using scikit-learn to estimate landing success probabilities based on launch features.
- Visualized geospatial and performance insights using Folium and other data visualization tools.
- Link:- https://github.com/DevAgnihotri/Data-Science/tree/main/SpaceX-Data-Science-Project-main

Course Recommendation System

Tech Stack :- Python, Pandas, NumPy, Scikit-learn, Jupyter Notebook

- Conducted exploratory data analysis (EDA) on online course enrollment and rating datasets to identify user behavior patterns and content trends.
- Implemented multiple recommendation techniques including content-based filtering, clustering-based recommendation, KNN, and NMF models.
- Built course similarity pipelines using vectorization techniques and similarity metrics to generate personalized course recommendations.
- Link:- https://github.com/DevAgnihotri/Data Science/tree/main/Project%20Recommendation%20System

HERMIND - Depression Relief App

Tech Stack :- Typescript, React.js, Next.js API, Firebase, Tailwind, React-router, Framer, Huggingface Transformers

- Mindhaven is a comprehensive mental health and wellness platform. It provides Comprehensive Health Tracking, including validated assessments, wellness metrics, goal setting, and a visual Health Dashboard. The platform also enables Professional Support with therapist booking, calendar integration, and detailed professional profiles. Additionally, Wellness Activities and a collection of Static Proven Resources; trusted games, podcasts, and videos.
- Link :- https://github.com/DevAgnihotri/HerMind
- Live Demo :- https://mindhaven-gold.vercel.app/

AWARDS AND ACCOMPLISHMENTS

- 7X hackathon winner, published 2 research papers
- Solved around 250+ questions on leetcode,
- Maintained consistently strong academic performance throughout Bachelor's and Master's programs.

DECLARATION

I hereby declare that all the information mentioned above is true and correct to the best of my knowledge and belief.

Dev Agnihotri

Date :- 13/01/2026   (DEV AGNIHOTRI)