



## Pratik Rajesh Chaudhari

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### EDUCATION AND TRAINING

24 AUG 2020 – 13 DEC 2025 Cincinnati, OH, United States  
**B.S. IN INFORMATION TECHNOLOGY** University of Cincinnati

- **Relevant Coursework:** Computer Programming, Database Management, Applied Statistics, Discrete Mathematics, Calculus, Scripting Languages, Web & Enterprise Application Development, Mobile Device Programming, System Analysis & Design.
- **Supplementary Learning:** Data Structures and Algorithms, Machine Learning, A.I. Principles and Techniques, Cloud Computing.
- **Honors:** Dean's List recognition for four semesters, CECH International Outreach Scholarship Award (\$48,000), UC Global Scholarship Award (\$12,000)
- **Leadership & Involvement:** Active member of [Bearcat Tech Innovators](#) Club; served as Senior Supervisor at [UC Campus Recreation](#) leading 400+ student staff and recognized as Employee of the Month (Oct 2024); Honored by the President of IT for my academic project CatMap, with an invitation to integrate it with the University systems.

Website <https://www.uc.edu/> | Final grade 3.5/4.0 (German equivalent of 1.8 based on Bavarian Formula) | Level in EQF EQF level 6 |

Type of credits U.S. credits | Number of credits 120 (Equivalent to 240 ECTS)

### WORK EXPERIENCE

TOYZ ELECTRONICS, INC – PITTSBURGH, PA, UNITED STATES

MACHINE LEARNING INTERN – 6 JAN 2025 – 15 APR 2025

- Developed ML-based models to assess student skills using gaming interaction data, applying supervised/unsupervised learning for personalized recommendations.
- Built and maintained relational + NoSQL databases, ensuring data integrity and scalability for enterprise applications.

ADISYS CORPORATION – SEATTLE, WA, UNITED STATES

DATA SCIENCE INTERN – 4 AUG 2023 – 19 APR 2024

- Designed and optimized ETL pipelines in Python and SQL to process structured and unstructured data, improving downstream analytics efficiency.
- Processed and analyzed large-scale behavioral datasets with Pandas and SQL, delivering insights that improved talent-matching accuracy.

### CERTIFICATIONS

Microsoft, 20 Sep 2025

Azure Data Science Associate

Link <https://learn.microsoft.com/en-us/users/pratikchaudhari-2032/credentials/d1460c5865dac094>

### LANGUAGE SKILLS

Mother tongue(s): **MARATHI** | **HINDI**

Other language(s):

|                | UNDERSTANDING |         | SPEAKING          |                    | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
|                | Listening     | Reading | Spoken production | Spoken interaction |         |
| <b>GERMAN</b>  | A1            | A1      | A1                | A1                 | A1      |
| <b>ENGLISH</b> | C2            | C2      | C2                | C2                 | C2      |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## PROJECTS

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15 JUL 2025 – CURRENT

### AI-Powered Credit Scoring for Loan Approvals

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- **Tech Stack:** Python, Scikit-Learn, XGBoost, PostgreSQL
- Currently developing ML models to evaluate applicant creditworthiness and designing ETL pipelines for data cleaning, feature engineering, and model training to improve accuracy and scalability.

Link <https://github.com/pratxks/CrediAI>

16 FEB 2024 – 20 AUG 2025

### Amazonification of E-Commerce: Personalized Product Recommendation Engine

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- **Tech Stack:** Python, Pandas, Scikit-Learn, TensorFlow, PostgreSQL
- Built a hybrid recommendation system for online shoppers, combining collaborative and content-based filtering.
- Deployed an interactive web app with real-time dashboards, improving recommendation precision by 25%.

Link <https://github.com/pratxks/TrendML>

11 MAY 2024 – 24 APR 2025

### UCReviews: University of Cincinnati Review and Rating System

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- **Tech Stack:** Angular, TypeScript, C#, .NET Core, MSSQL | Senior Design Project at the UC IT Expo.
- Built a full-stack review application for university facilities, handling end-to-end development and deployment with a 4-member Agile team.

Link <https://github.com/pratxks/UCReviews>

1 JAN 2024 – 11 JUN 2024

### CatMap: University of Cincinnati Real-Time Parking Availability & Navigation Application

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- **Tech Stack:** Java, Spring Boot, PostgreSQL, JavaScript, REST APIs
- Built REST APIs with Spring Boot to serve UC's live parking data, integrating with OpenStreetMap for navigation.
- Optimized backend queries and infrastructure to achieve <150ms latency for high-frequency updates.

Link <https://github.com/pratxks/catmap>

## SKILLS

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### Programming Languages

Python | JavaScript | Java | C#

### Data Science and Machine Learning

Pytorch | NumPy | Pandas | Scikit-Learn | TensorFlow

### Databases & Data Management

MSSQL | MySQL | PostgreSQL | MongoDB | ETL Pipelines | Data Warehousing

### Cloud, DevOps & Tools

AWS (Lambda/EC2) | Azure | Docker | Linux | Git | CI/CD | API & Data Integration

### Data Visualization & Analytics

Tableau | Power BI | Matplotlib | Seaborn | Jupyter

## VOLUNTEERING & CIVIC ENGAGEMENT

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14 APR 2021 – CURRENT

### Community Service Volunteer- University of Cincinnati, United States

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- Contributed **161+ hours** through the University of Cincinnati's volunteer programs, supporting initiatives such as park and neighborhood clean-ups, assisting the elderly, organizing donation drives, and participating in diverse community improvement projects.

Link <https://pratikchaudhari.com/uc-volunteer-resume.webp>