

DEVANSHU KHADKA

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EDUCATION

University of Chicago <i>Master's in Applied Data Science</i>	Chicago, IL Aug. 2025 – Dec. 2026
Virginia Tech <i>Bachelor of Science in Computer Science, Bachelor of Science in Computational Modeling and Data Analytics</i>	Blacksburg, VA Aug. 2020 – Dec. 2024

EXPERIENCE

Graduate Research Assistant – Biomedical Data Science & AI <i>University of Chicago</i>	September 2025 – Present Chicago, IL
Software Engineering Internship/ Co-op <i>Berkley Alternative Markets Tech</i>	June 2024 – December 2024 Manassas, VA
DevOps Intern <i>EZOPS</i>	June 2023 – August 2023 Blacksburg, VA
Undergraduate Teaching Assistant (CS 1114) <i>Virginia Tech</i>	January 2023 – May 2023 Blacksburg, VA

Traffic AI Crash Rate Predictor | *Python, React, Next.js, TensorFlow, MongoDB, Docker* Aug 2024 – Dec 2024

- Built a full-stack web app with **role-based access**, using **TensorFlow, React, FastAPI, MongoDB** to predict traffic crash rates and generate dynamic reports.

AI Web Scraper | *Python, Playwright, Power BI, Git* Aug 2024 – Dec 2024

- Built an automated **ETL pipeline** using **Playwright and Python** to scrape structured parish data across paginated, dynamic web content and visualize results in a **Power BI dashboard**.

CERTIFICATES / ACHIEVEMENTS

- AWS Certified Cloud Practitioner**
- AWS Solutions Architect – Associate**
- AWS Certified AI Practitioner**
- Microsoft Azure Data Fundamentals**
- Grand Champion – VT CMDA Data Competition**

TECHNICAL SKILLS

Languages: Python, Java, Groovy, Kotlin, R, C, MATLAB, JavaScript, SQL (Postgres), HTML/CSS

Tools/Frameworks: AWS, Azure, TensorFlow, Spark, Hadoop, Hive, React, Node.js, Flask, FastAPI, Spring Framework, MERN Stack, JUnit, Material-UI

Software: Power BI, Tableau, Excel, GitHub/GitLab, Docker, JIRA, Figma, SageMaker

Libraries: pandas, NumPy, Scikit-learn, Matplotlib, GraphQL, OpenAI API

Statistical Methods: A/B testing, hypothesis testing, regression, confidence intervals, statistical inference