

Rishabh Pandey

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EDUCATION

Purdue University

Aug 2021 – May 2025

B.S. in Computer Science, Data Science (GPA: 3.40/4.00)

West Lafayette, IN

Concentrations: Software Engineering, Database and Information Management, Machine Intelligence

Relevant Coursework: Information Systems, Systems Programming, Data Mining & Machine Learning

Activities and Societies: Alpha Kappa Psi, ML@Purdue, PurdueTHINK, Intramural Soccer

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, PL/SQL, Javascript, Swift

Developer Tools: Git, AWS, Postman, Insomnia, MySQL, Oracle ERP

Libraries/Frameworks: Pandas, NumPy, Tensorflow, Pytorch, Keras, Sklearn, FastAPI, Django, Flask

Hobbies/Interests: Soccer, Chess, Poker/Rummy, Woodworking

EXPERIENCE

Software Development Intern | *Python, Computer Vision, Java, Multiprocessing*

Aug 2023 – Present

Agrofocal Technologies

Remote

- Conducting systematic error analysis while preparing 1000s of images for TensorRT models.
- Improving the accuracy of crop yield prediction models by fine-tuning scripts to extract relevant features from video data.
- Creating scripts that utilize multiprocessing for a "Compute Box" with the goal of decreasing the computational time required by machine learning algorithms to perform analysis on different crops.

Software Engineer Intern | *Oracle Apex, PL/SQL, Insomnia, Shell Scripting*

May 2023 – Aug 2023

Texas Instruments

Dallas, TX

- Developed an Oracle APEX application that manages software licenses for over 100+ products sold by the company.
- Integrated with 10Duke's REST API to retrieve and display customer personal details based on the activation code in real-time.
- Enhanced customer support efficiency and satisfaction by reducing information retrieval time from an average of 4-6 hours to roughly 5-10 seconds
- Wrote shell scripts to archive invalid packages within the system, playing a pivotal role in preparing the team for an Oracle upgrade.

IT & Analytics Head | *Python, Django, PowerBI*

Dec 2022 – May 2023

Alpha Kappa Psi (Pi Omega Chapter)

West Lafayette, IN

- Spearheaded the development of a web application for Alpha Kappa Psi, which will allow brothers to query alumni based on specific criteria, resulting in increased engagement and connection within the fraternity.
- Designed and implemented an interactive map using Power BI, which will plot the current locations of alumni, providing valuable insights into the distribution of alumni across different regions.

PROJECTS

Real-time Stock Market Analyzer | *Python, Nasdaq Data Link, Kafka, Twilio*

Sept 2023 – Present

- Implemented a Kafka streaming pipeline that collects and processes real-time stock data from the Nasdaq Data Link.
- Built a python script that uses the Twilio API to send text alerts whenever a particular stock crosses the bollinger bands.

Daily News | *Python, NewsAPI, Twilio, AWS EC2*

July 2023 – Aug 2023

- Developed a Python script that leverages NewsAPI to generate and store catchy news headlines from various sources and categories.
- Incorporated AWS EC2 cluster to automate daily text messages with curated news titles to friends and family.