

# Rithvin Koneru

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Jefferson, NJ

[Portfolio Website](#)

[LinkedIn](#)

## Skills

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- **OOP Languages:** Java, Python, C, Ruby, OCaml, Rust
- **Developer Tools:** Git, Agile Methodologies, Unix/Linux, GitHub, Azure DevOps
- **Cloud Computing:** Google Cloud Platform(GCP), Google Cloud Digital Leader Certification(In Progress)
- **Data Analysis Tools:** SQL, NumPy, Pandas, Matplotlib, Microsoft PowerBI, R
- **ML Tools:** TensorFlow, Keras, Google Colab/Jupyter Notebooks, Generative AI(Vertex AI)
- **Platforms/IDEs:** Visual Studio Code, Eclipse, PyCharm

## Experience

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### Software Engineer Intern/Co-Op

*UPS | Parsippany, NJ | May 2023 – Present*

- Developing software to migrate UPS legacy payroll systems to Google Cloud Platform using cloud application development tools such as BigQuery, GCE, and Cloud Code.
- Utilizing software test frameworks and tools(TestNG, JMeter, Maven, Selenium) to develop automated test scripts for performance/integration E2E testing of the payroll application.
- Transforming testing data of the new payroll system hosted in Cloud SQL and Cloud Storage into PowerBI reports to gain insight into feedback from occurring developments.

### Data Science Co-Op

*HCL America | Remote | Jan. 2023 – May 2023*

- Contributed to data management projects related to data analysis and back-end application development for client needs using Python and Machine Learning practices.
- Learned AI model training fundamentals and data manipulation to interpret incoming company data regarding customer transactions/purchase trends throughout the prior quarter using Python, Pandas, and Matplotlib.

### Undergraduate Research Assistant

*University of Maryland | College Park | Jan. 2022 – May 2022*

- Worked with the Worldwide LHC Computing Grid, a computer-based particle accelerator simulation. Modeled data to interpret trends across simulations to adjust and improve machine runs.
- Utilized Python data analysis programming within the Linux operating system to study and organize incoming simulation results data using NumPy, Pandas, Matplotlib libraries.

## Education

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### University of Maryland

*Bachelor of Science in Computer Science(Data Science Focus); General Business Minor*

*College Park, MD | Aug. 2021 - Dec. 2024(Expected) | GPA: 3.7*

Relevant Coursework: Object-Oriented Programming, Algorithms, Data Structures, Discrete Math, Computer Systems, Linear Algebra, Calculus I and II. Pursuing upper level specialization track in data science.

## Projects

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- **AI Model for Predictive Heart Failure** - Trained sklearn regression AI models which read inputted patient data and provide a prediction as to whether they will be prone to heart failure and possible mortality through mean error calculations. Utilized sklearn, NumPy, Pandas, Matplotlib, and Seaborn for data manipulation.
- **UPS Hackathon Project** - Developed a mobile app solution for third-party UPS vehicle drivers to register their personal vehicles and receive assigned packages for delivery. Packages are assigned based on a developed algorithm in Python and SQL queries of driver, vehicle, and package data.
- **Portfolio Site** - Created a web page hosted on GitHub and programmed in HTML and CSS/SCSS which provides info regarding my current projects, coursework, and background.