

Rohan Mecheri

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Education

Carnegie Mellon University (Pittsburgh, USA), Undergraduate Class of 2026

- Bachelor of Science, Major in Applied Mathematics, Additional Major in Computer Science
- Coursework: Principles of Imperative Computation, Concepts of Discrete Math, Real Analysis, Matrices and Linear Transformations, Multidimensional Calculus

Experience

Software Engineering Intern | Pando | June 2024 – August 2024

- Developed and optimized a workflow automation system, integrating and streamlining data extraction and enrichment processes
- Leveraged firmographic and enrichment APIs to enhance lead generation and operational efficiency
- Built tooling that drove real-world savings for the marketing organization

Data Science Intern | Indium Software | June 2023 – August 2023

- Worked on price optimization in Retail Analytics, specifically on integrating Market Basket Analysis with cross-price elasticity
- Developed an algorithm to identify product associations from transactional data and leverage elasticity coefficients to determine optimal price levels

Software Engineering Intern | Crayon Data | November 2022 - December 2022

- Developed a client-facing search tool that utilizes NLP models to query and return relevant product information
- Implemented A/B testing to evaluate the effectiveness of different NLP models, optimizing hyperparameters to improve accuracy and relevance of returned product data.

Skills & Programming Languages

- **Experienced With:** Python, Java,
- **Proficient With:** C, JavaScript, Swift, HTML/CSS
- **Frameworks:** React, MySQL, Flask (RESTful API's), NLTK, Sci-Kit Learn, Keras

Projects & Student Initiatives

- **Predictify** – Built a predictive maintenance framework using Keras LSTM neural networks to predict the Remaining Useful Life (RUL) of industrial equipment, integrating a Flask API for real-time deployment and testing.
- **PhishEye** – Developed a phishing detection system using NLP techniques with NLTK and Logistic Regression models to classify malicious URLs based on lexical patterns, deploying the solution via a Flask API
- **CoderDojo** – Youngest head mentor in South Asia, taught programming to 500+ students
- **mAskAround** – Founder, raised 15,000\$ for the procurement of PPE during COVID-19

Interests

Tennis, Reading, Music, Programming, and Chess