Rohith Nadimpally
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Education

- **Purdue University** — West Lafayette, IN
  BS in Computer Science with Honors & Dean's List Recognition — *Expected: May 2024*

  Concentration
  Algorithms & Machine Learning

  Relevant Coursework
  *Data Structures & Algorithms (**CS 251**), Computer Architecture (**CS 250**), Programming in Java (**CS 180**), Programming in C (**CS 240**), Competitive Programming 1 (**CS 290**), Discrete Math (**CS 182**), Linear Algebra (**MA 265**)*

Experience

- **Merck** — West Lafayette, IN
  Incoming Data Analyst — *August 2021 ~ December 2021*

- **Beck's Hybrids** — West Lafayette, IN
  Data Analyst — *January 2021 ~ May 2021*
  - *Built and trained a neural network to predict the effects of weather and elevation on crop loss with 70% accuracy using both internal and open-source data.*

- **EpiData IoT Data Science** — San Francisco, CA
  Big Data Engineering Intern — *Summer May 2020 ~ August 2020 / Winter January 2021 / Summer May 2021 ~ August 2021*
  - *San Francisco based startup that provides a platform for data analytics/machine learning solutions in the automotive, energy, manufacturing, and IoT (internet of things) industries.*
  - *Working actively toward the release of Epidata Lite Streaming feature since beginning.*
  - ***Enhanced Epidata Platform to support ZeroMQ data pipeline and managed preexisting Kafka pipeline.***
  - *Developed with Scala, Python languages, and ZMQ, Kafka, Apache Spark frameworks.*

Projects

- **Verbal Coding**
  Development @ Purdue University — *August 2021 ~ Onward*
  - ***Working at EPICS (Engineering Projects in Community Service) Assistive Technology team to lead a group of CS oriented students in the Version 2 development of Verbal Coding.***

  Development @ Massachusetts Institute of Technology — *March 2019 ~ September 2020*
  - *Worked with Dr. Kyle Keane (MIT Department of Electrical Engineering and Computer Science) to develop a programming language for the visually/physically disabled.*

  Winner of HackNYU: Google Sponsor Prize and Education Track. — *February 2019*
  - *Handled development of semi-structured, verbal programming language (VPL), which takes inspiration from the syntactical lenience of Python but puts more emphasis on grammatically sound speech.*
  - *Project Link: (https://devpost.com/software/verbal-coding)*

- **Roadcast**
  - ***Developed a web application that allows users to get weather forecasts at important parts of a road trip.***
  - *Integrated Google Maps and OpenWeather APIs to calculate ETA to any given point on the trip route.*
  - *Used ETA and route data to present the user with corresponding forecast information.*
  - *Project Link: (https://roadcast.surge.sh/)*
  - *Project Demo: (https://www.youtube.com/watch?v=S77ntwyIbjg)*

- **Compressr**
  - *React and Node JS application that outlines/suggests ways to compress imputed text.*
  - ***Developed standalone API that gathers data from Google's NLP Cloud MicroService and performs proprietary algorithm.***
  - *Algorithm determines importance to the passage as a whole and displays results in a user-friendly UI.*
  - *Project Demo: (https://youtu.be/_p3qizvufCA)*

Technical Skills

- **Languages/Tools**: *Java, Python, Scala, C, C++, WebDev (HTML, CSS, React/Node Javascript), LaTeX*
- **Technologies**: *OAuth2, AWS, Natural Language Processing, MongoDB, ZeroMQ, Apache Kafka, Apache Spark*