Rohith Nadimpally

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Education

- **Purdue University** — West Lafayette, IN
  BS in Computer Science with Honors and Dean's List Recognition — *Expected: Dec 2023*
- **Relevant Coursework:**
  Programming in Java (CS 180), Discrete Math (CS 182), Programming in C (CS 240), Competitive Programming 1 (CS 290), Linear Algebra (MA 265)

Experience

- **Beck's Hybrids** — West Lafayette, IN
  Data Science Intern — *January 2021 ~ May 2021*
  - **Signed Non-Disclosure Agreement.**
- **EpiData IoT Data Science** — San Francisco, CA
  Big Data Engineering Intern — *Summer May 2020 ~ August 2020 / Winter December 2020 ~ January 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.
  - **Enhanced Epidata Platform to support ZeroMQ data pipeline and managed preexisting Kafka pipeline.**
  - **Worked with Scala, Python languages, and ZMQ, Kafka, Apache Spark frameworks.**
- **Massachusetts Institute of Technology** — Cambridge, MA
  Researcher/Software Developer — *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.** Converted natural speech inputs (as opposed to keyboard inputs) into structured code through the use of NLP and text analysis.
  - More info under "Projects".

Projects

- **Verbal Coding**
  - Winner of HackNYU: Google Sponsor Prize and Education Track.
    - Project Link: (https://devpost.com/software/verbal-coding)
  - **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.**
- **Compressr**
  - A React and Node application that outlines and suggests ways to compress imputed text.
  - **Developed standalone Node API that gets data from Google's NLP Cloud MicroService and inputs retrieved metadata into proprietary algorithm. The Algorithm outputs a rank for each sentence determining its importance to the passage as a whole. A React app that consumes and outputs data in a user-friendly UI.**
    - Project Demo: (https://youtu.be/_p3qizvufCA)

Campus Involvement

- **Purdue Autonomous Motorsport** — West Lafayette, IN
  Software Team — *Since August 2019*
  - **Working with a team composed of undergraduates and graduate students to build and race an autonomous go kart.**
  - **Working in conjunction for the IAC sub-team as a data collection engineer to autotomize a formula-one race car for the Indiana Autonomous Challenge to be held in October 2021.**

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*