Arjun Krishna

GitHub LinkedIn

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SUMMARY

- 10 months of software development work experience using Python, JavaScript and Java

- Merged code into production within a week of me joining due to my eagerness and speed in learning

- Won three Hackathons (each out of 100+ participants) using my good communication skills and creativity

- Tech Lead for the University of Waterloo's self-driving car team where I created scalable systems for efficient big data analysis reducing our data streaming latency by 330%

EXPERIENCE

- **Software Developer Intern**   buildmemo.com

  Python • JavaScript • SQL   *January 2022 - April 2022*

  ○ Created user tracking tools using my knowledge of Python and JavaScript allowing my team to better understand customer behaviour while our number of user sessions increased by more than 90%

  ○ Created urgent bug hotfixes by analyzing website behaviour using my knowledge of SQL and Python resulting in our website coming back online before being shared to 800+ new users

- **Big Data Platform Engineer Intern**   Huawei

  Java • Python   *May 2021 - August 2021*

  ○ Added support for 3 new SQL operators to our open-source database's data filtering algorithm using Java resulting in a 55% increase in passing unit tests

  ○ Collected, graphed and presented benchmark data for over 10,000 load tests using Python resulting in confirmation of the impact of my team's changes and the changes being accepted

  ○ Wrote technical documentation, and blog posts using my effective communication skills

PROJECTS

- **Hackathon Winner: Automated Covid-19 Patient Analysis**   GitHub • Blog

  Python • Machine Learning

  ○ A website built using Python where nurses could add Covid-19 patients and it would text them questions (using the Twilio REST API) and rank their severity using their responses

  ○ Designed, trained and integrated the machine learning model Python resulting in our project winning the Best Automation Hack prize

EDUCATION

- **Stanford University**   Online

  Certificate in Machine Learning   *Nov. 2019 - Feb. 2020*

  ○ **3.9 / 4.0 GPA**

  ○ Coursework in Regression, Machine Learning Algorithms and Artificial Neural Networks

- **University of Waterloo**   Canada

  Bachelors of Applied Science in Mechatronics Engineering   *Sept. 2019 - Present*

  ○ Coursework in automation, statistics, software design, data structures and algorithms

  ○ Data warehousing tech lead for the University of Waterloo's self-driving car team