RAHUL PULIDINDI

(206)-405-0270 • rahulpulidindi.careers@gmail.com
Seattle, WA • linkedin.com/in/rahul-pulidindi/ • github.com/RahulPulidindi

EDUCATION

University of Washington (Seattle, WA)   **Graduation Date:** June 2022 (Expected)
- B.S. Electrical and Computer Engineering, minor in Mathematics (major GPA: 3.80/4.0)
- Coursework: Data Structures & Algorithms, Database Systems, Hardware/Software Interface, Statistical Methods for Engineering, Linux/Unix Tools, Linear Algebra, Probability, Programming I/II

TECHNICAL SKILLS

- **Languages/Frameworks:** Java, Python, SQL, C, C++, MATLAB, R, JavaScript, React, Node, CSS, HTML
- **Software:** TensorFlow, Spark, Hadoop, scikit-learn, Linux/Unix, Git, Bash, Google Cloud, Azure, Android

EXPERIENCE

PricewaterhouseCoopers   Remote
Software Engineering and Machine Learning Intern   Jun 2020 – Present
- Performed pricing analysis for 50+ products using deep learning; produced reports used by 7 clients
- Implemented anomaly detection & error correction in job pipeline which reduced its runtime by 34%
- Built web app that suggests dynamic pricing strategies for 30+ products; used by 3 teams of 15
- *Technologies: Python, PyCaret, TensorFlow, JavaScript, Flask, ReactJS, Git, CSS, HTML5*

Institute of Protein Design   Seattle, WA
Research Assistant   May 2019 – Present
- Developed pipeline for protein sequencing that speeds up image processing & data analysis by 24%
- Wrote algorithms to automate data collection & export results; reduced processing time by 73%
- Researched image noise reducing methods; suggested convolutional autoencoders to use for pipeline
- *Technologies: Python, MATLAB, MySQL, Java, Linux, Git*

Washington Hyperloop   Seattle, WA
Backend Developer and Team Lead   Oct 2018 – Mar 2020
- Developed C++ firmware, GUI, telemetry; used by 35-member Top SpaceX Hyperloop Pod Team (US)
- Led 4-member sub team; improved microcontroller clock speeds by 60% by restructuring functions
- Architected new safety systems for testing & propulsion which resulted in 27% fewer connection errors
- *Technologies: C++, C, Arduino, Git, ReactJS, NodeJS, Ballerina*

PROJECTS

Miranda, Hack'20 (Active Tooling Track Winner, Best Use of Google Cloud)   Aug 2020
- Created a mobile app that uses machine learning to combat police brutality by documenting police interactions, guiding the user to protect their Miranda rights, and inducing community policing
- Implemented an NLP algorithm that determines the legality of a police order with 88% testing accuracy
- *Technologies: Google Cloud APIs (NLP, Vision, Speech-to-Text), Twilio API, Python, Android, Figma*

Curatoza, DubHacks 2019 (Classic Track Winner, Best HoloLens Hack, 1st/394 teams)   Oct 2019
- Launched a web/mobile app that integrates machine learning, mixed reality, and a social network to provide accurate diagnoses of brain disorders in underprivileged countries; demoed @ Microsoft HQ
- Implemented image processing & NLP to predict a specific brain disorder with 96% training accuracy
- *Technologies: Custom Vision API, Python, SQL Server, Azure, HoloLens 2, Android, Unity 3D*