

# Mounica Naidu Manyam

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## SUMMARY

Experienced in JavaScript, React.js, Node.js, Python, Java, AWS, Azure, PostgreSQL, HP Vertica, MongoDB, Tableau and Power BI.

## EDUCATION

**University of Southern California**

*M.S. in Computer Science, GPA: 3.57*

Los Angeles, CA

*Jan. 2019 – Dec. 2020*

**Ramaiah Institute of Technology**

*B.E. in Computer Science and Engineering, GPA: 8.91*

Bengaluru, India

*Aug. 2012 – Jun. 2016*

## EXPERIENCE

**Software Development Engineer Intern**

Jun. 2020 – Aug. 2020

*Amazon*

*Palo Alto, CA*

- Centralized data sources for 5 major experiments of an Ad Platform by implementing an ETL pipeline in Python and storing data on AWS S3
- Developed a monitoring dashboard in AWS QuickSight with an hourly refresh for engineering and business teams

**Software Engineer**

Jun. 2016 – Dec. 2018

*Philips*

*Bengaluru, India*

- Developed front-end for two responsive web applications in a team of 3 in JavaScript to monitor 10,000+ MRI scanners across the globe using MongoDB to store and retrieve processed data and D3.js for custom visualizations
- Performed root cause analysis of an MRI component to reduce exam time by 2 minutes in Python and PowerBI; Received the 'Philips Recognition' award for creating an impact on the customers
- Contributed to migration of the ETL pipeline to parse MRI logs from Ruby to C++

**Software Engineer Intern**

Jan. 2016 – Jun. 2016

*Philips*

*Bengaluru, India*

- Improved performance of a web application from 5 days to 0.5 days by rewriting legacy C# back-end by creating a preprocessed database in MongoDB for data of size 3TB; Received the 'Philips Recognition' award for enabling daily updates
- Improved and maintained the ETL pipeline in Ruby

## PROJECTS

**News Web Application** | *React, Node, AWS Elastic Beanstalk*

Mar. 2020 – Apr. 2020

- Developed a full-stack web application to fetch news from REST APIs in real-time using React hooks
- Hosted REST APIs and application on AWS Elastic Beanstalk

**Detective of Los Angeles** | *Python, Tableau*

Jan. 2019 – May 2019

- Investigated Los Angeles crime data using Python 3 and Tableau to find interesting patterns in crimes by type of crime, age, race, gender and more
- Presented at 'GRIDS Presents 2019', a USC Graduate Data Science conference and earned a summer part-time job with Prof. Yolanda Gil at the Information Sciences Institute

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, C++, Scala, Java

**Frameworks:** React, Node.js, Flask, D3.js, Plotly.js, Bootstrap, Material-UI, WordPress

**Databases:** MongoDB, PostgreSQL, HP Vertica

**Visualization tools:** Tableau, PowerBI, AWS QuickSight

**Cloud technologies::** AWS Glue, AWS S3, AWS Elastic Beanstalk, Microsoft Azure

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** Pandas, NumPy, Matplotlib

## LEADERSHIP AND INVOLVEMENT

- Won second at the 'Boeing Data Competition' hackathon for providing the best solution to reduce flight delays
- Co-organized 'Quality Awareness' drive for 160+ employees at Philips
- Received student scholarship to attend Grace Hopper Celebration, India in 2014 and 2015