Mounica Naidu Manyam

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EDUCATION

University of Southern California — Los Angeles, CA
M.S. in Computer Science — *Jan. 2019 – Dec. 2020*

Ramaiah Institute of Technology — Bengaluru, India
B.E. in Computer Science and Engineering — *Aug. 2012 – Jun. 2016*

EXPERIENCE

Software Development Engineer Intern — Jun. 2020 – Aug. 2020
Amazon — *Palo Alto, CA*

- Developed a real-time web application in Python to monitor the health and performance metrics of a Third-Party Ad Exchange Platform using AWS S3 and QuickSight

Software Engineer — Jun. 2016 – Dec. 2018
Philips — *Bengaluru, India*

- Developed two full stack real-time dynamic 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

Manyam SlickGrid | *JavaScript, SlickGrid, Open-Source, Git* — Aug. 2018 – Sep. 2018

- Created a JavaScript plugin to combine open-source SlickGrid 'TreeView' with 'Column Grouping' feature with advance JSON processing and automatic parent-child mapping

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 place at the 'Boeing Data Competition' hackathon
- Co-organized *'Quality Awareness'* drive for 160+ employees at Philips
- Received student scholarship to attend Grace Hopper Celebration, India in 2014 and 2015