

# Sai Charan Akkena

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## SUMMARY

Computer Science graduate student with strong passion for learning new technologies and experience with working across the full stack of Software Development. Seeking an opportunity where I can utilize my educational and professional skills and contribute towards the prosperity of the organization.

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## EDUCATION

December 2021	<b>Illinois Institute of Technology</b> Master's in Computer Science GPA – 3.6/4.0 <b>Selected Course Work:</b> Cloud Computing, Software Project Management, Machine Learning, Advanced Data Mining, Enterprise Web Applications, Mobile Application Development, Big Data Technologies.	Chicago, IL
April 2019	<b>Amrita Vishwa Vidyapeetham</b> Bachelor of Technology, Computer Science	Coimbatore, India

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## SKILLS

- **Languages:** C++, Java, Python, JavaScript, HTML, CSS
- **Tools/Frameworks:** Angular, Flask, Node.js, Android, Git, AWS, Bootstrap, jQuery, JSP, J2EE
- **Databases:** MySQL, MongoDB, Neo4j

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## EXPERIENCE

June - Aug 2021	<b>Software Engineering Intern - HealthEdge Software, Inc.</b> <ul style="list-style-type: none"><li>• Streamlined an existing web tool and shipped a new feature to proactively monitor and fix issues in the customer environment.</li><li>• Automated the process of analyzing data trends over time helping customers to gain an insight into the Failed Transactions and Stuck Claims over a time period.</li><li>• <b>Tools &amp; Technologies Used:</b> Python, Angular, Flask, Node.js, angular-google-charts</li></ul>	Burlington, MA
Nov - Dec 2017	<b>Intern - Indian Space Research Organization (ISRO)</b> <ul style="list-style-type: none"><li>• Enhanced a web application for the Payroll Data Entry System used by the employees working at ISRO.</li><li>• Created data entry forms where an Employee would enter their ID and their respective details would be retrieved from the database and displayed.</li><li>• <b>Tools &amp; Technologies Used:</b> HTML, CSS, Java, JSP, JavaScript, Ajax, jQuery</li></ul>	Sriharikota, India

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## PROJECTS

Jan - May 2021	<b>Big Data Pipeline</b> <ul style="list-style-type: none"><li>• Built a Data Pipeline using AWS services on a PMSM Dataset to stream incoming data and perform analysis as required.</li><li>• Examined the readings in real time and inferred that all parts in the motor are working synchronously and are in stable condition.</li><li>• <b>Technologies Used:</b> Amazon DynamoDB, Kinesis, Lambda, S3, Athena, QuickSight</li></ul>
Aug - Dec 2020	<b>Grocery Hub</b> <ul style="list-style-type: none"><li>• Developed a Full Stack Enterprise Web Application that supports Trending and Real-time Streaming of new products where customers can view and buy groceries at stores closest to their location.</li><li>• Leveraged multiple database types and API's that helped stores gain valuable insights from the customer orders and improve business.</li><li>• <b>Technologies Used:</b> HTML, CSS, Bootstrap, Font Awesome, JavaScript, Ajax, jQuery, JSP, JSTL, Java, Servlets, Python, MySQL, MongoDB, Neo4j, Google Maps JavaScript API, Twitter API</li></ul>
Jan - May 2020	<b>Shared Memory Tera Sort</b> <ul style="list-style-type: none"><li>• Developed a Multi-threaded application using Java and Chameleon Cloud testbed that is flexible enough to handle different types of storage and compute resources.</li></ul>
Nov - April 2019	<b>Facial Recognition for Visually Impaired</b> <ul style="list-style-type: none"><li>• Designed a wearable and portable prototype that can be worn and carried around with ease to aid the Visually Impaired people recognize the faces of known people in their presence.</li><li>• <b>Technologies Used:</b> Python, Open CV, Haar Cascade Classifier, FaceNet, Raspberry Pi Microcontroller</li></ul>