

# Sai Teja Paladi

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## EDUCATION

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- **University of South Carolina** Columbia, SC  
*Master of Science in Computer Science* Aug. 2021 – May. 2023  
**Coursework:** Analysis of Algorithms, Data Mining, DBMS, Mobile Application Development, Visualization tools, Natural language processing.
- **GRIET - Gokaraju Rangaraju Institute of Engineering and Technology** Hyderabad, India  
*Bachelor of Technology in Computer Science and Engineering* Aug. 2014 – June. 2018  
**Coursework:** Data Structures and Algorithms, Operating systems, Web Technologies, Cloud Computing, Object-oriented programming, Software Engineering, Principles of Programming languages .

## TECHNICAL SKILLS

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- **Languages/Frameworks:** Python, Java, C, NetLogo, Kotlin, Apex, SQL, HTML5, CSS3, JavaScript, React.js, Flask, Django.
- **Technologies:** Git, GitHub, Apache Tomcat, FileZilla, Markdown, Linux, GitHub Pages, Command Line Interface, RESTful API, Swagger API documentation, Postman, Jira, Scrum, Agile, MS Excel, Tableau, Docker, Azure, Machine Learning, AI.

## PROFESSIONAL EXPERIENCE(3 YEARS AS A SOFTWARE ENGINEER)

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- **Accenture** Hyderabad, India  
*Software Engineer* **Projects:** Google POps, UberEats Jan 2020 - July 2021
  - Led the development of a dynamic Django web application in a full-stack role, using **React, HTML, CSS, and JavaScript** for the front-end and **Django and MySQL** for the back-end.
  - Managed troubleshooting, **application development**, debugging, and security measures throughout the **Software Development Life Cycle (SDLC)** for seamless integration and optimal performance.
  - Engineered a robust Django back-end with **MySQL database management**, ensuring efficient data storage and retrieval, resulting in a 30 percent boost in application speed and reliability.
  - Collaborated closely with cross-functional teams, including designers and product managers, to align the application with user needs and business goals, resulting in a successful and well-received product.
  - Incorporated **Agile methodologies** and **CI/CD pipelines** for rapid development iterations, quick bug fixes, and on-time project delivery, promoting efficiency in the Agile Scrum development environment.
  - Proficient in creating **REST APIs** and documenting them using tools like **Swagger**. Conducted live API testing using **Postman** to ensure seamless communication between front-end and back-end components, demonstrating expertise in web services (**JSON, XML, REST, SOAP**).
  - Successfully designed and implemented cloud-based solutions on AWS, ensuring seamless scalability and high availability for critical applications.
- **Accenture** Hyderabad, India  
*Associate Software Engineer* **Project:** Johnson Controls International Nov 2018 - Dec 2019
  - Designed and implemented user interfaces using **HTML, CSS, JavaScript, and React**, focusing on enhancing the user experience and ensuring a user-friendly interface.
  - Collaborated with cross-functional teams to integrate front-end interfaces with **Flask and Django frameworks**, ensuring robust backend functionality and seamless data flow.
  - Successfully deployed web applications on Apache Tomcat server, ensuring optimal performance and availability.

## RESEARCH EXPERIENCE(2 YEARS AS A RESEARCH ASSISTANT)

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### • The Artificial Intelligence Institute of UofSC

Columbia, SC

*Graduate Research Assistant*

*Aug 2021 - May 2023*

- **Ultra Project:** Played a pivotal role in the Ultra project, leveraging technical expertise in **HTML, CSS, Javascript, Python, Flask, Django, and MySQL**. Designed and implemented a user-friendly data explorer tool, greatly enhancing data accessibility and retrieval for the research team.
- Demonstrated strong proficiency in a range of technical skills, including **HTML, CSS, React, OPEN API 3.0, Swagger, Python, Git, Linux, Apache Tomcat, and MySQL, Docker, Databases** effectively integrating them to produce innovative solutions for research projects.

## ACHIEVEMENTS

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- Recipient of the **IAAI ‘Innovative Application’ Award** for my work in developing and deploying an application, featured in an accepted paper at the **Thirty-Sixth Annual Conference on Innovative Applications of Artificial Intelligence (IAAI/AAAI-24)**.  
(Deployed Application) Promoting Research Collaboration with Open Data Driven Team Recommendation in Response to Call for Proposals - <http://casy.cse.sc.edu/teaming/>
- Developed and deployed a RASA-based chatbot that allows users to control network usage and bandwidth and monitor power usage using smart sensors. Accepted for **DASFAA 2022 conference**.

## CERTIFICATIONS

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- **Supervised Machine Learning: Regression and Classification** - an online non-credit course authorized by **DeepLearning.AI** and **Stanford University** and offered through Coursera.

## PUBLICATIONS

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- Siva Likitha Valluru , Biplav Srivastava , Sai Teja Paladi , Siwen Yan , Sriraam Natarajan (**Deployed Application**) **Promoting Research Collaboration with Open Data Driven Team Recommendation in Response to Call for Proposals**
- Aniket Gupta, Biplav Srivastava, Karan Aggarwal, Sai Teja Paladi. **KITE - An Unsupervised, Effective and Inclusive Approach for Textual Content Exploration, Sep 2022** [Text, Content Insights]
- Biplav Srivastava, Tarmo Koppel, Sai Teja Palladi, Siva Likitha Valluru, Rohit Sharma and Owen Bond, **ULTRA: A Data-driven Approach for Recommending Team Formation in Response to Proposal Calls, ICDM Workshop on AI for Nudging and Personalization (WAIN), 2022.** [Team Recommendation]
- Lakkaraju, K., Palaiya, V., Paladi, S.T., Appajigowda, C., Srivastava, B., Johri, L. (2022). **Data-Based Insights for the Masses: Scaling Natural Language Querying to Middleware Data.** In: et al. **Database Systems for Advanced Applications. DASFAA 2022.** Lecture Notes in Computer Science, vol 13247. Springer, Cham. <https://doi.org/10.1007/978-3-031-00129-149>
- Vignesh Narayanan, Bharath Muppasani, Sai Teja Paladi, Biplav Srivastava, Michael Huhns, **Modeling and Steering Multi-Dimensional Opinion Networks with Aggregated Measurements, 2023 SIAM Conference on Dynamical Systems, May 2023.** [Information spread, Dynamical Systems]