

Sai Teja Paladi

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EDUCATION

- **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

- **Languages/Frameworks:** Python, Java, C, NetLogo, Kotlin, Apex, SQL, HTML5, CSS3, JavaScript, React.js, Flask, Django, Tensorflow, Numpy, Pandas.
- **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, Visual Studio Code, Docker, AWS, Machine Learning, AI.

PROFESSIONAL EXPERIENCE(3 YEARS AS A SOFTWARE ENGINEER)

- **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)

• 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

- 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

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

PUBLICATIONS

- 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]