

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.
- **Jawaharlal Nehru Technological University** 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 .

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.
 - Proficient in creating **REST APIs** and documenting them using tools like **Swagger**. Conducted live API testing using **Postman** to ensure seamless communication between the front-end and back-end components.
 - Deployed the web application on an Apache Tomcat server and gained experience in deploying and managing applications in the Microsoft Azure cloud, ensuring high availability and scalability. This included a strong focus on operations, build processes, and source control management.
- **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.
- **AI Institute, University of South Carolina** 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.

PROGRAMMING SKILLS

- **Programming Languages:** Python, Java, C, NetLogo, Kotlin, Apex, SQL.
- **Technologies:** HTML5, CSS3, JavaScript, React, Flask, Django, Apache Tomcat, FileZilla, GitHub, GitHub Pages, Markdown, Linux, Command Line Interface, OPEN API 3.0, Swagger, Postman, Jira, Git, MS Excel, Tableau, Docker, Machine Learning, AI.

ACHIEVEMENTS

- Recipient of the **IAAI ‘Innovative Application’ Award** for my work in developing and deploying an application, featured in an accepted paper at the **IAAI/AAAI (Innovative Applications of Artificial Intelligence Conference)**.
(Deployed Application) Promoting Research Collaboration with Open Data Driven Team Recommendation in Response to Call for Proposals - <http://casy.cse.sc.edu/teaming/>

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]**