

Venkata Sai Savant Mullapudi

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EDUCATION

- **Master of Science in Computer Science** Aug 2023 – May 2025
University of Utah, Salt Lake City, Utah 3.83/4.0
- **Bachelor of Technology in Computer Science** Aug 2018 – Jul 2022
MVGR College of Engineering, Vizianagaram, India 8.84/10

SKILLS

- **Programming Languages:** Python, Java, C, C++, SQL, PySpark, Golang
- **Web Development:** HTML, CSS, Javascript, ReactJS, PHP, Angular, WordPress
- **Cloud Technologies:** AWS, Salesforce, Docker, Devops
- **Data Visualization and UI Tools:** Tableau, Power BI, Figma, Qt creator
- **Soft Skills & Interests:** Communication, Team Building, Reading, Badminton, Sports Analytics

EXPERIENCE

- **Research Assistant** Aug 2024 - Present
University of Utah (School of Computing) Salt Lake City, Utah
 - Designing and maintaining the official website for the security research lab PROST using ReactJS, PHP to improve the lab's online presence and showcase ongoing projects and publications.
 - Working toward publishing a research paper on "Data Sharing and Privacy Attitudes Based on Scenarios and Consequences" by analyzing survey responses and categorizing human attitudes toward data privacy in different real-world situations.
 - **Graduate Teaching Assistant** for **CS 3505: Software Practices 2** and **CS 3390: Ethics in Data Science**: Served as a TA covering C++, Git, Qt, and Box2D for CS 3505, and ethical principles and professional guidelines for CS 3390. Conducted lab sessions, help hours, graded assignments, and facilitated interactive discussions to support student learning and project development.
- **Assistant System Engineer** Jul 2022 - Jul 2023
Tata Consultancy Services (TCS) Bengaluru, India
 - Built a full-stack internal dashboard using ReactJS, Node.js, and PostgreSQL, enabling real-time project tracking and improving reporting efficiency by 40%.
 - Developed and maintained IoT-based data pipelines using AWS Lambda, Kinesis, and Python for real-time stream processing and analytics. Designed APIs, integrated user auth via JWT, and deployed the application on AWS EC2 with containerization via Docker.
 - Secured sensitive data using AWS KMS, implemented access controls and led internal workshops to support business-focused AWS and DevOps solutions.
- **Data Science Intern** Mar 2022 - Jun 2022
Pro Digital Worx Inc Bengaluru, India
 - Developed predictive models using machine learning algorithms to address challenges like customer segmentation and demand forecasting.
 - Cleaned and transformed large datasets using Python and relevant libraries (pandas, NumPy, and matplotlib), performed exploratory data analysis (EDA), and created interactive dashboards using Tableau and Power BI to support business decisions.
 - Containerized applications with Docker for scalable deployment and conducted a DevOps workshop as part of a team collaboration initiative during the internship.

PROJECTS

- **Soccer Result Prediction:** Developed a soccer match prediction model by scraping data from Premier League Stats using BeautifulSoup, then merged and stored the data in CSV files. Employed Random Forest Classifier and CatBoost for predictions and used data visualization using matplotlib to interpret results.
- **Relax – Streaming Application:** Built a responsive video browsing app using ReactJS, Material UI, and React Router with real-time search and playback. Fetched dynamic content via YouTube Data API (RapidAPI), displaying videos, channels, and related results. Focused on clean UI/UX and seamless playback functionality across devices.