Venkata Sai Savant Mullapudi

385-354-9746 | savant.mullapudi@gmail.com | Salt Lake City, UT 84101

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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   Jul 2018 – Jun 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, React, PHP, Angular, WordPress

- **Cloud Technologies & UI**: AWS, Salesforce, Devops, Tableau, Power BI, Figma, Qt Creator

- **Databases and Libraries**: PostgreSQL, MySQL, MongoDB, Pandas, NumPy, Scikit-learn, Docker

- **Soft Skills & Interests**: Communication, Team Building, Reading, Badminton, Sports Analytics

EXPERIENCE

Research Assistant   Jun 2024 - Present
University of Utah (School of Computing)   *Salt Lake City, Utah*

- Led the development of the PROST lab website using HTML, CSS, JavaScript, and React, building a responsive UI with client-side routing and modular components. Continue to maintain and expand research-focused sections to enhance user experience, accessibility, and content scalability.
- Built and maintained full-stack web applications for multiple graduate-level courses, organizing lecture content, resources, and schedules to support academic delivery and accessibility for students and faculty.
- **Graduate Teaching Assistant** for **CS 3505: Software Practices 2** and **CS 3390: Ethics in Data Science**: Taught core software engineering concepts, including C++, Git, Qt, and Box2D, guiding students through full-cycle agile development projects and led discussions on ethical aspects of Data Science. Led lab sessions, conducted debugging and code reviews during help hours, and evaluated technical assignments to boost best practices in software design, version control, and collaborative development.

Software Engineer - 1   Jul 2022 – Jul 2023
Tata Consultancy Services (TCS)   *Bengaluru, India*

- Developed and maintained customer-facing features such as order tracking and profile management for a digital services portal used by over 15,000+ enterprise users across multiple business regions. Utilized ReactJS, Node.js, PostgreSQL, and AWS services including EC2, S3, and Kinesis to ensure high availability and responsiveness.
- Designed and implemented task tracking and notification feature to improve real-time project status updates, reducing support queries by 40%. Built user-friendly interfaces, developed secure REST APIs, and enhanced visibility into project progress for clients.
- Contributed to maintenance of IoT data pipelines and real-time analytics using tools like Python and Kinesis. Assisted with DevOps workflows, including containerization with Docker.

Data Science Intern   Jan 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.