

SUHAS PALANI

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PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER INTERN

Hamilton Digital Assets, Chicago, IL

Oct 2024 - Present

- Managed user data and built a pipeline for database authentication using MongoDB, Kafka, and Key cloak, enhancing security and data integrity.
- Conducted client meetings to perform market research and collaborated on technical design documents, aligning project goals with client needs.
- Developed both mobile and web applications utilizing React, React Native, and Django frameworks, improving cross-platform functionality and user experience.
- Researched and implemented agent-based solutions for chatbots, enhancing user interaction and support efficiency.

FULL STACK SOFTWARE ENGINEER INTERN

Varcons' Tech Pvt Ltd, INDIA

Aug 2022 - Sept 2022

- Engineered and integrated seamless front-end/back-end solutions, boosting application responsiveness by 15%
- Optimized an online tea-selling platform, increasing website speed by 20% and enhancing user experience.
- Leveraged HTML, CSS, JavaScript, and Django to streamline development workflow, reducing time-to-market
- Architected scalable frameworks, improving long-term performance and maintainability of web applications
- Implemented responsive design to ensure optimal user experience across devices, increasing website traffic by 35%.
- Collaborated with cross-functional teams of 5+ members to deliver 3 high-quality solutions

PERSONAL PROJECTS

SUMMARIZE

Apr 2024 – Sept 2024

- Developed a multimodal AI platform with web and mobile apps, leveraging Python Flask, MongoDB, HTML, CSS, JavaScript, and React Native.
- Enhanced mobile user engagement by 28% through optimized design, functionality, and chatbot integration.
- Led API testing and validation using Postman, covering 25+ endpoints to ensure platform reliability and user interaction.
- Achieved top recognition at OraHacks and TikTok tech jam finalist status for delivering an innovative, user-centric solution with significant impact.

AIRBNB DATA PIPELINE OPTIMIZATION

Jun 2024 – Jul 2024

- Built a robust data pipeline using Data Build Tool (DBT), ensuring clean, consistent datasets, and optimized query performance in Snowflake.
- Automated ETL process, cutting manual data processing time by 50% and improving overall efficiency.
- Implemented rigorous testing strategies to maintain data quality and integrity for business intelligence reporting.
- Streamlined data integration by designing automated workflows and monitoring systems, enhancing data accuracy and reducing latency in reporting.

API CONTRACT TESTING TOOL FOR MICROSERVICES

Sep 2022 - Apr 2023

- Led the development of a web-based API contract testing tool, reducing contract creation time by 30%
- Designed an intuitive, visually appealing UI, increasing user satisfaction by 20%
- Boosted user engagement by 45% through a seamless blend of functionality and aesthetic design
- Optimized tools by integrating real-time contract validation features, improving processing speed and reliability.

SKILLS

- PROGRAMMING LANGUAGES:** Python /C++ | Shell-Scripting | HTML | CSS | JavaScript
- FRAMEWORKS:** Django | Flask | React | React Native | Node.js | TensorFlow | Keras | Pandas | NumPy
- DATABASES AND TOOLS:** PostgreSQL | MongoDB | SQL | Snowflake | DBT Labs | Redis | UiPath | Postman
- CLOUD AND DEVOPS TOOLS:** AWS | Docker | Kubernetes | Jenkins | Ansible | GCP | Unix | Git & GitHub| Kafka | Key cloak | Zookeeper

HONORS AND ACHIEVEMENTS

- Top 12 Finalist team at TikTok Tech Jam out of 600+ teams Aug 2024
- Graduate Teaching Assistant, Software Project Management Aug 2024
- Winner at OraHacks Hackathon - Text to Video/Audio News Platform Apr 2024
- 'API Contract Driven Testing' at International Conference on Advanced Engineering and Technology. Jun 2023
- College Ambassador- Represented the college at events and engaged with prospective students. Jun 2023
- Awarded Outstanding Contribution from the Department of Computer Science and Engineering. Jun 2022

EDUCATION

Illinois Institute of Technology, Chicago, IL

May 2025

Master of Science, Computer Science, GPA 3.50

Global Academy of Technology, Bengaluru, India

Jul 2023

Bachelor of Engineering, Computer Science, VTU, GPA 3.60