SUHAS PALANI

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EDUCATION

Illinois Institute of Technology, Chicago, IL May 2025
Master of Science, Computer Science, GPA 3.55

Visvesvaraya Technological University, Bengaluru, India Jul 2023
Bachelor of Engineering, Computer Science, VTU, GPA 3.60

SKILLS

- **PROGRAMMING LANGUAGES:** Python| JAVA| C/C++ | Shell-Scripting | HTML | CSS | JavaScript
- **FRAMEWORKS:** Django | Flask | React | React Native | Node.js | 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 | Kafka | Key Cloak

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN
Hamilton Digital Assets, Chicago, IL   Oct 2024 – Dec 2024
- Led a cross-functional team to design and implement a secure authentication system using MongoDB, Kafka, and Key Cloak, improving data security and reducing unauthorized access by 40%.
- Developed cross-platform mobile and web applications using React/React Native, optimizing performance to improve load times by 20% and reduce session drop-offs by 25%.
- Built and deployed an AI-powered chatbot system, reducing support response times from 15 minutes to 2 minutes.
- Conducted client meetings to perform market research and collaborated on technical design documents, aligning project goals with client needs and ensuring 95% satisfaction in project deliverables.

FULL STACK SOFTWARE ENGINEER INTERN
Varcons' Tech Pvt Ltd, Bengaluru, KA   Aug 2022 - Sept 2022
- Engineered front-end and back-end solutions using HTML, CSS, JavaScript, and Django, improving application responsiveness by 15% and optimizing a tea-selling platform, increasing website speed by 20%.
- Increased website traffic by 35% through responsive design implementation and enhanced user experience, leading to higher engagement and customer retention.
- Streamlined the development workflow, reducing time-to-market by 25%, by architecting scalable frameworks that enhanced long-term performance and maintainability.
- Collaborated with a cross-functional team of 5+ members, delivering 3 high-quality solutions on time and within scope, improving team efficiency and product delivery.

PROJECTS

CLIMAQUERY   Dec 2024 – Jan 2025
- Built a full-stack solution using React (frontend), Flask (backend), and MongoDB (data storage), efficiently handling 100+ daily API requests with 99.9% uptime and ensuring seamless performance.
- Integrated an AI-powered OpenAI chatbot for weather-related queries, managing 150+ daily queries with 92% accuracy, and implemented type-ahead search to reduce search times by 50%.
- Designed a responsive, intuitive UI with real-time updates and interactive weather visualizations, boosting engagement.

SUMMARAIZE   Apr 2024 – Sept 2024
- Developed a multimodal AI platform with web and mobile applications, utilizing Python Flask, MongoDB, HTML, CSS, JavaScript, and React Native to deliver a seamless and responsive user experience across platforms. 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.
- Earned top recognition at OraHacks and finalist status at TikTok Tech Jam for creating an innovative, user-centric solution that delivered significant impact and stood out among 600+ teams.

GITHUB ANALYTICS DASHBOARD   Mar 2024 - Apr 2024
- Developed a React-based web application to display real-time data from 7 popular GitHub repositories, deployed on Google Cloud Platform (GCP) for scalable and reliable performance.
- Built a Flask backend server to handle 50+ API requests and process data, integrating machine learning models to predict and forecast repository activity trends with 85% accuracy.
- Created interactive data visualizations using Plotly and Matplotlib, and designed a user-friendly, responsive interface, improving user engagement by 15% and optimizing data processing and model execution for faster response times.

HONORS AND ACHIEVEMENTS

- Graduate Teaching Assistant, Software Project Management   Aug 2024
- Top 12 Finalist, TikTok Tech Jam 2024 – Recognized for developing a scalable backend system from 600+ teams.   Aug 2024
- Winner, OraHacks 2024 – Led an AI mobile app with text-to-video/audio news, voted top solution.   Apr 2024
- Published Paper: "API Contract Driven Testing," Int'l Conference on Advanced Engineering & Technology   Jun 2023
- Outstanding Contribution Award – Department of Computer Science & Engineering   Jun 2022