HANUSH GOWRAV GOWDA K S

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science
Master of Science in Computer Science   *Expected May 2025*
Relevant Coursework: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, OS, DBMS, Design Patterns

Visvesvaraya Technological University   **Karnataka, India**
Bachelor of Science in Computer Science and Engineering   *May 2021*
Relevant Coursework: Object-Oriented Programming, Advanced Java, Data Structures and Algorithms, Machine Learning

TECHNICAL SKILLS

Languages: Python, C, C++, Java, Unix, C#
Front-End: HTML, CSS, JavaScript, TypeScript, ReactJS, Next.js, Tailwind CSS
Back-End: Node.js, ExpressJS, Django, RESTful APIs, Microservices Architecture
Databases: MySQL, PostgreSQL, MongoDB
Tools & Platforms: Docker, Kubernetes, Git, Postman, Jira, Linux
Cloud/DevOps: Agile Methodology, Scrum, Web Services
Others: Figma, Adobe Suite, Microsoft Office
Certifications: Full Stack Engineering – *BITS PILANI WILP*, Data Science in Python – *UpGrad*

PROFESSIONAL EXPERIENCE

Infrrd, *Software Engineer* | Bangalore, India   *March 2022 - January 2023*
Tech Stack: *Software Engineering, ReactJS, AngularJS, Node.js, Redux, SAGA, RESTful APIs, UI/UX Integration*
- Transitioned into a front-end development role, crafting responsive, high-performance web pages using ReactJS, AngularJS, and Node.js, enhancing user interaction and experience
- Developed modular and reusable UI components, contributing to faster development cycles and code maintainability.
- Implemented state management solutions using Redux and SAGA, improving application performance and data flow efficiency
- Collaborated in Agile sprints with product managers and UI/UX designers to align deliverables with business objectives.
- Enhanced API integration capabilities, improving front-end and back-end communication efficiency

Infrrd, *Trainee Software Engineer* | Bangalore, India   *August 2021 - March 2022*
Tech Stack: *Machine Learning, Deep Learning, Data Processing, Image Processing, Model Deployment*
- Designed and deployed document processing machine learning models using Python, significantly enhancing document recognition capabilities
- Refined the existing Titan model and engineered new models with advanced machine learning techniques, boosting accuracy and reducing processing time
- Achieved an impressive 86% accuracy rate, driving a notable improvement in document processing efficiency
- Collaborated with cross-functional teams to integrate ML models into production environments, ensuring robust deployment and scalability

Orsus Consulting Services, *Web Developer Intern* | Bangalore, India   *August 2020 - October 2020*
Tech Stack: *HTML, CSS, ReactJS, RESTful APIs, Front-End Development*
- Designed and developed a fully responsive company website, ensuring seamless user experience across various devices and browsers
- Utilized HTML, CSS, and ReactJS for building dynamic web pages and interactive components, showcasing proficiency in modern front-end development practices
- Integrated RESTful APIs for dynamic data handling and improved content management workflows

PROJECT EXPERIENCE

Pharmacy Management System, *Group Project*   *June 2022 - October 2022*
- Engineered a full-stack web application to automate pharmacy operations, including sales, purchases, customer data, and invoice generation
- Built a responsive UI using ReactJS and designed a scalable backend with NodeJS and Microservices architecture
- Improved accuracy and efficiency of record maintenance, reducing manual processes and enhancing data integrity

Identification of Areca Nuts, *Team Lead | Group Project*   *November 2020 - April 2021*
- Developed a web-based solution using a machine learning model called U-Net to identify areca nut bunches, achieving up to 85%-90% yield accuracy
- Designed an intuitive UI for data visualization, enhancing user experience and agricultural productivity

School Management System, *Individual Project*   *January 2020 - March 2020*
- Created a web-based platform for managing school operations, utilizing PHP, MySQL, HTML, CSS, and JavaScript
- Enabled real-time academic tracking and streamlined administrative processes, improving communication between students, parents, and educators