Sanathkumar Sunkad
Software Engineer

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A highly motivated technology enthusiast with over 4 years of experience in full-stack development and Machine Learning. Proven leadership skills as a team lead, successfully delivering production-ready features and products. Proficient in MEAN and MERN stacks, specializing in building ML models. Passionate about FullStack Development, research, and leveraging AI/ML to tackle complex problems.

WORK EXPERIENCE

Software Engineer, R&D
Profinch Solutions Pvt Ltd

08/2021 - Present *Bengaluru,INDIA*

- Seasoned Senior Full Stack Developer, proficient in handling multiple products and consulting teams as a Functional Point of Contact (FPC).
- Extensive experience in designing and developing features, advising teams on framework utilization, and resolving client-side deployment and production issues.
- Strong expertise in UI/UX design and Angular development, crafting captivating applications and dashboards.
- Skilled in designing microservice architectures, building REST APIs using Java, Spring Framework, and Python, and deploying applications on OCI, Azure, and AWS.
- Successfully implemented advanced technologies such as face recognition, OCR, video KYC integration, Kafka for event based inter microservice communication and notification system.
- Led full-stack projects from inception to completion, managing a team of six, while converting business requirements into actionable technical features following an agile methodology.

Research Assistant
Indian Institute of Science

10/2020 - 07/2021 *Bengaluru,INDIA*

- Worked for an international aerospace client (Boeing) on Automatic Speech Recognition(ASR) using **ML Methods** for ATC commands and in-cabin flight announcements.
- Used **Deep Neural Network** for Training Speech corpus, and converting speech to Text with postprocessing **NLP** algorithms to decode the speech at the character level and improve the accuracy of Text. Developing denoising algorithm in **JAVA** Android application and Web application as a frontend to convert speech to text.
- Frameworks/lib: **Tensorflow2, Keras, Pandas, Numpy Scikit-Learn, Scipy, Matplotlib.**

Software Engineer
Vedant Tech Solutions - ADE, D.R.D.O

08/2019 - 09/2020 *Bengaluru,INDIA*

- Proficiently designed and developed an innovative Admin Resource Management System using cutting-edge web technologies. comprehensive experience in the end-to-end software product development lifecycle, successfully handling requirement definition, design, implementation, testing, deployment, and maintenance phases. **Java, Angular, Spring Framework, PostgreSQL**
- Worked on Automation of GUI Testing using Machine Learning Methods for UAV parameters.

EDUCATION

M.Tech Data Science and Engineering
Birla Institute of Technology & Science, Pilani

05/2022 - Present *8.59*

Computer Science Engineering, B.E
Sir M Visvesvaraya Institute of Technology

08/2015 - 08/2019 *7.16*

SKILLS

JAVA · Angular · Javascript · CSS3 · HTML5 · Git | CI/CD · Docker | Podman · Python · React · NodeJS · Kafka · Redis · Apache Solr · Azure | AWS | OCI · Kubernetes · PostgreSQL · MongoDB · C | C++ · Machine Learning · DeepLearning · TensorFlow | Keras · Pandas · Numpy · Scikit-Learn · Scipy · Matplotlib · Tableau · Linux | Windows · MatLab
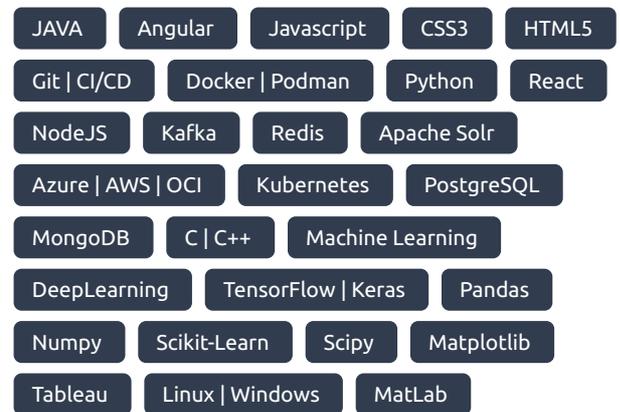
PERSONAL PROJECTS

Fullstack Developer
- **WakaW.live** - Handled a team of 5 and worked on designing **UI/UX** and Development of NextGen E-commerce Application and Dashboard for Seller Central using **React**. Designing microservice architecture, building **REST APIs** using **Node.Js**, and handling deployments at **AWS** using services such as S3 bucket, Lambda function, and EC2 Instances **(React, NodeJS, Javascript, HTML5, CSS3, MongoDB)**
- **Sri Sadananda Food Pvt. Ltd** (B2B Solution) - Online platform for management and distribution of goods by Industrialists to the business retailers and wholesalers **(JavaScript, Angular, HTML, CSS)**
- **ZABTech Cont LLC** - Designed and Built the Company Website using ReactJs Worked with JSX, JQuery, HTML5, and CSS3 for designing front-end and event handling Worked with NodeJs providing an API for automated emails Hosting the website, and managing with Cpanel **(ReactJs, JSX, CSS3)**

Hand Gesture Recognition System
- The hand gesture recognition system is a system where various real-time hand gestures are recognized and can interact with the computer for playing games, presentations, and gesture to words to speech conversion (python, CNN, Java)

MVITbyte
- A system for students and teachers to keep updated with attendance internal and external marks and uploading of assignments and a regression model for analyzing students' marks (Django, HTML, CSS)

CERTIFICATIONS & ACHIVEMENTS

Machine Learning by STANFORD ONLINE

Deep Learning Specialization by DeepLearning.AI

Angular Certification from Coursera

STAR Award for Best Performance
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Technical Writer at Analytics Vidhya
Added as a writer for Analytics Vidhya and a article was featured on their publication

CRICKET | CHESS - State level
Played and represented KSCA (Karnataka State Cricket Association) At Zonals, state level and also represented National level through SGFI (School Games FED. of India)