

Sai Vishwak Korimerla

Software Engineer

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A software engineer with deep passion about using cutting-edge technology to build software that can solve complex problems and benefit humanity.

WORK EXPERIENCE

Software Engineer - ServiceNow

July 2021 – Present

Hyderabad, India

Working on products such as Problem, Incident, Change, Service Operations Workspace, Notify, and Twilio Integration with Notify as a Software Engineer in the ITSM department which is the highest revenue generating product in ServiceNow.

Software Engineer - LinkedPhone

October 2020 – July 2021

New York (Worked from India office)

Developed intelligent appointment scheduling service from scratch. The service offers a chatbot, voice bot, and WebApp. Also worked on integrating docker into the organization for a better development environment.

Bachelor's Thesis Internship - Sandvik

January 2020 – May 2020

Hyderabad, India

Worked on a project with Sandvik's R&D department for detecting stress levels on the rotary bit that was having several failures. Performed several advanced computational simulations using numerical method algorithms.

Defence Research and Development Laboratory (DRDL) - DRDO · Internship

May 2019 – July 2019

Hyderabad, India

Built a standalone software with GUI using MATLAB for predesign analysis and plotting of super-sonic convergent-divergent rocket nozzle for incompressible fluids using Numerical method: Method of Characteristics for Rocket Nozzle and Analytical method: G.V Rao Nozzle Optimization.

EDUCATION

BML Munjal University, Gurgaon, Haryana, India

2016 – 2020

Bachelor of Technology — Mechanical Engineering - **CGPA: 7.99/10**

PUBLICATIONS

Numerical duality of MHD stagnation point flow and heat transfer of nanofluid past a shrinking/stretching sheet: Metaheuristic approach

Chinese Journal of Physics - [Link](#)

Finite Element Simulation of Stress Propagation in Trabecular Structure for Lightweight Applications

International Journal of Mechanics Based Design of Structures and Machines- [Link](#)

Stress and deformation analysis of hip joint for the design of hip prosthesis

International Conference on Future Trends in Materials and Mechanical Engineering - [Link](#)

Statistical Distribution of Structural Transformation in The Elastic Regime of Nickel-Titanium Alloy

Chinese National Conference Emerging Trends on Advances in Materials Science

PATENTS

Automated/ Smart Accident Detection and Alert System with Risk Contour Prediction for LPG Tanker Truck

Status – Filed

The device takes in metrological data of the LPG source location as input parameters and predicts the risk diameter for various heat intensity if any leak is detected. Used MATLAB to perform machine learning and Arduino to implement IoT.

PROJECT

Peer to Peer Decentralized Compute Platform built using Rust – (2022 – Present)

Chinese Journal of Physics - [Link](#)

Finite Element Simulation of Stress Propagation in Trabecular Structure for Lightweight Applications

International Journal of Mechanics Based Design of Structures and Machines- [Link](#)

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