SAMAKSH KHATRI

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EXPERIENCE

CREST DATA SYSTEMS – Ahmedabad, India

Software Engineer 3   *Apr 2023 – Present*
- Pioneered the formation of AI community with the organisation, conducting regular sessions and publishing articles on the internal knowledge database
- Spearheaded the development of an internal tool which uses a Large Language Model (LLM) to analyse code reviews, helps senior management to track code quality and make informed business decisions
- Author and execute over 50+ Pytest and Gradle unit test cases, increasing the total number of automated test cases to 80%
- Designed and implemented a new UI feature in React to allow for sharing of dashboard filters between teams, leading to a 30% increase in cross-functional collaboration

Software Engineer   *Dec 2021 – Mar 2023*
- Recipient of the Crest Achievement Program for detailed analysis and identifying corner cases for customer escalations
- Handling customer escalations with a closure rate of 70% with resolving 60+ escalations, highest in the department
- Contributed to the design and development of an automation testing framework using Cypress, improving testing times by 30% and reducing framework size by around 70% as compared to WebDriverIO
- Developed 30+ end-to-end functional test cases using WebDriverIO as part of product quality testing
- Fixed bugs and developed new features to improve customer experience

KRSIKX INDIA – India

IoT and Deep Learning Intern   *Jun 2021 – Jul 2021*
- Spearheaded a team of 5 members as Project Leader for the Virtual Fence project, delegating tasks on a daily basis
- Demonstrated expertise in Plant Disease Detection project, with models designed exhibiting 98% accuracy
- Played an integral role in the development of other projects, implementing the vision of the founders

EXPERTSHUB – Pune, India

IoT Intern   *Dec 2019*
- Conceptualized and co-developed a project on Smart Agricultural Monitoring System which won the project competition
- Awardee for Best Intern

EDUCATION

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY – Changa, India
Jun 2018 - May 2022
Bachelor of Technology, Computer Science and Engineering; **Cumulative GPA: 9.22/10**

SKILLS

Technical: Python, PyTorch, Tensorflow, Pandas, Numpy, Hugging Face, MySQL, MongoDB, Django, Flask, JavaScript, React.js, TypeScript, HTML/CSS, Java, Akka Framework, C++, Debugging, Troubleshooting, Splunk Enterprise, Splunk IT Service Intelligence, WebDriverIO, OpenCV, Arduino, Raspberry Pi, NODE-Red, MQTT, Git, GitHub, Cypress, Natural Language Processing, Sci-Kit Learn

Industry Knowledge: Deep Learning, Machine Learning, Internet of Things, Automation, Web Development, Edge Computing

Soft Skills: Communication Skills, Critical Thinking, Problem Solving, Leadership, Management, Resourceful, Quick Learner, Ambitious, Visionary

Certifications & Training: Google IT Automation with Python (Specialization), Industrial IoT on Google Cloud Platform, Foundations of Project Management, Computer Vision - Object Tracking with OpenCV and Python, 30 Days of Google Cloud Platform, Introduction to Deep Learning with PyTorch

PERSONAL PROJECTS

NO CODE DBMS APP   *Apr 2021 – Oct 2021*
A database management application that leverages the power of LLMs to manipulate a database without requiring to have prior knowledge of SQL

CEREBRO   *Jan 2021 – Apr 2021*
Brain-Computer Interface (BCI) system for physically disabled/handicapped people. Utilises an EEG sensors to detect changes in brainwaves and converts the changes into control signals for smart devices at home

SMART CAMPUS GUIDE   *Sep 2020 – Mar 2021*
An Android app that serves as a virtual guide to visitors of the campus. A University funded project. Reported directly to HOD and assigned as Team Leader of the Machine Learning team. Co-developed a model with 99% accuracy.