

Suraj T Chandrashekhar

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SUMMARY

Graduate student with a strong foundation in machine learning and experience with various algorithms and frameworks. Seeking an opportunity where I can apply my skills and continue to learn and grow.

EXPERIENCE

Software Engineer (Remote) | Mainteny, Oslo

Dec 2021 - Aug 2022

- Implemented an end-to-end software solution to streamline maintenance operations, resulting in a 50% increase in efficiency by eliminating paperwork.
- Full-stack:** Developed customer-friendly quotation and invoicing interfaces using React.js to facilitate fluent business transactions and customer interest.
- Automation:** Assisted with automating customer data migration, which reduced human effort by 80%.

Machine Learning Research Intern | IC Solutions, Bengaluru

Sep 2020 - Nov 2020

- Research:** Fine-tuned and trained a regression model using XGBoosting to predict used vehicle prices, achieving an accuracy of 94.2% and R2 of 0.92.
- MLOps:** Successfully deployed the model in a real-world setting, enhancing accuracy and efficiency in the pricing process, and providing a practical solution to an industry problem.

TECHNICAL SKILLS

Interest and Domain: ML Research, Computer Vision, Natural Language Processing, Data Science, MLOps, Software Development

Languages and Frameworks: C++, Python, R, Flask, SQL, MongoDB, Tableau, TypeScript, React.js

ML Libraries: TensorFlow, PyTorch, Scikit-learn, Matplotlib, OpenCV, Spacy, NLTK, HuggingFace

Developer Tools: Linux, Vim, Jupyter, Git, Docker, Postman, SageMaker, Google Cloud, AWS

EDUCATION

University of Maryland, College Park, MD

Aug 2022 - May 2024

Master of Professional Studies in Machine Learning

GPA: 4.0/4.0

Relevant Courses: Machine Learning, Data Science, Deep Learning, Computer Vision, Natural Language Processing, Optimization

Visvesvaraya Technological University, Belagavi, INDIA

Aug 2017 - Aug 2021

Bachelor of Engineering in Computer Science

GPA: 7.8/10.0

Relevant Courses: Calculus, Linear Algebra, Data Structures and Algorithms, DBMS, Software Design, Artificial Intelligence

RESEARCH PUBLICATIONS

Covi-Assist: Automatic COVID-19 Detection from Chest X-Rays, IJRASET

DOI: <https://doi.org/10.22214/ijraset.2022.48467>

PROJECTS

ChatBot for First Aid Assistance | Python, NLP, TensorFlow, JSON, TFLearn

Developed a chatbot trained using TFLearn Neural Network and NLTK natural language processing to assist with first aid procedure for injuries.

Art Style Transfer using GAN | Python, CNN, Keras, Tensorflow

Crafted an image-to-image art style translator using the CycleGAN to convert images into Monet, Van Gogh, and Ukiyo-e art styles.

LSTM-based Weather Prediction | Python, Time Series, RNN, React.js

Created a weather forecasting system for New York City using LSTM network, achieving 86% accuracy in predicting temperature and humidity.

Resume Parsing and Classification | Python, Machine Learning, Spacy

Developed a system for parsing and categorizing resumes into 23 job categories using Spacy NLP and Tika.

S&P 500 Dashboard | Tableau

Built a Tableau dashboard to show the S&P 500 stock growth over the past 70 years and stock distribution across sectors.

EXTRA CURRICULAR

- Awarded as **2nd runner-up in national hackathon** by IEEE Bangalore Section, Oct 2019. Achieved **1st place at state-level project competition** hosted by Maharaja Institute of Technology, Mysore, Aug 2021.
- Served as the **Teaching Assistant** for 17PCD23 and 17CS42 courses taught by Prof. Honnaraju, providing support in grading assignments and organizing class schedules.
- Certifications:** Machine Learning Specialization by University of Washington, Database and SQL for Data Science by IBM.

LEADERSHIP AND ACTIVITIES

- Intramural Sports Official** at UMD College Park, enforcing rules and maintaining integrity of intramural flag football, volleyball, and basketball games.
- Data Entry Volunteer** at PHC Mellahalli, assisting in COVID-19 vaccination drive by volunteering for data entry.
- Campaign Volunteer** at Kirunage NGO, volunteering in a flood relief campaign to assist affected communities.
- Event Coordinator** at MIT Mysore, assisting in organizing computer science-related workshops and hackathons.
- Representative** at Coding Club, MIT Mysore, teaching junior members the basics of computer programming and promoting love for coding.