



Sujit M Deokar

Technology Lead – Product Development

Dual Role (Lead – Product R&D and Data Scientist)

M.Tech (2012-14), Pursuing Ph.D

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PATENT FILED

“Method for real-time optimization and control of server resource and operation cycle in communication networks” – Application no.: 202021042306.

SKILLS

Key Skills

Machine Learning Deep Learning
Statistics Data Wrangling NLP
Python R SQL Sklearn SpaCy
OpenCV Keras Pandas Git
Azure DevOps Django Redis
Celery JSON TDSP

Soft Skills

Problem Solving Story Telling
Collaboration Curiosity
Creativity Product Management

AWARDS

- At Inteliment Technologies
 - Appreciation Award: Outstanding Commitment to Project Delivery
 - Project Appreciation Award
 - Manager's Choice Award
- Best Paper Award– IEEE conference
- M.Tech Gold Medalist – 9.6 CGPA

ABOUT ME

A highly competent data scientist with 5+ years of experience developing a wide range of innovative applications like predictive quality in manufacturing domain, news analysis and vision analytics. Ability to use statistics and ML and DL for complex data patterns that drive meaningful impact on the business. Proficient in predictive modeling, data processing and data mining algorithms, as well as scripting languages, including Python and R. Capable of creating, developing, testing, and deploying models to translate business and functional qualifications into substantial deliverables.

EXPERIENCE

Technology Lead – Product Development

Inteliment Technologies / Pune / Aug 2019 – Present

- Lead Data Scientist
 - Work cross functional with stakeholders and complex data sources to develop data driven insights and solutions with advance analytics.
 - Communicate results, develop, and maintain strong relationship with key stakeholders.
 - Lead a team of data scientists on both technical and business issues.
 - Evaluate and experiment with new technologies and tools prior to wider adoption by the team.
- Lead – Product R&D
 - Manage the product release and roadmap.
 - Regularly monitor pull requests, perform code and peer reviews on Epics/ modules / features prior shipping to Product & Engineering.

Consultant

Freelancer / Pune / 2016- 2019

- Build and present POCs to clients.
- Help client to enhance business with adoption of vision intelligence.
- Build a vision base technology solution that integrates in client application.

PAPER PUBLICATIONS

- Prof. S. M. Deokar, Prof. S. S. Patankar & Prof. J. V. Kulkarni, **Prominent Face Region based Gender Classification using Deep Learning**, ICCUBEA 2018. (Received BEST PAPER AWARD OF SESSION).
- OS Kulkarni, SM Deokar, AK Chaudhari, SS Patankar, JV Kulkarni, **Real Time Face Recognition Using LBP Features** ICCUBEA 2017.
- Rohit M. Waregaonkar , Prof. S. M. Deokar, Prof. S. S. Patankar & Prof. J. V. Kulkarni, **Development of Prototype for Vehicle Speed Measurement**, RTEICT, 2017.
- Shalaka S. Wardha, Prof. S. M. Deokar, Prof. S. S. Patankar & Prof. J. V. Kulkarni, **Development of Automated Technique for Vehicle Speed Estimation and Tracking in Video Stream**, RTEICT, 2017.
- Sujit Deokar, Bhavesh Dhaigude, **Blind Audio watermarking Based on Discrete Wavelet & Cosine Transform**, ICIC, 2015.
- Sujit Deokar, **Image invisible watermarking using Discrete Cosine Transform**. NCMOC, 2015.

WORKSHOPS CONDUCTED

- Workshop on **"Machine learning and its Healthcare Applications"**, at RC Patel Institute of Technology, Shirpur. Feb 2021.
- **"Corporate Data Science – Applications & Challenges"**, under AICTE- FDP - "Electric Vehicle Application, Control & Smart Charging using Artificial Intelligence" at PES Modern College of Engg., Pune. Jan 2021.
- **"Deciphering Data Science" & "Machine learning Use Cases"**, under AICTE-STTP - "Digital Skill development for Professionals" at JSPM Pune. Dec 2020.
- Corporate training on **"Data Science using Python"**. Dec 2019
- **"Data science using Python"** in 7 colleges across Maharashtra. 2019 – 2020
- **"Python Programming Workshop"**, PCCOE college, Pune. 2018.

PROJECT PROFILE

At Inteligent Technologies – for Magna Internationals

- **End of line test optimization of vehicle power transmission.**
 - Built ML model that predicts transmission box will pass EOL test on process measurement data collected at assembly stations.
- **Gear honing tool usage optimization of power transmission.**
 - Built ML models for gear quality prediction and dynamically redressing honing tool to optimize the tool utilization.
- **Vibration analysis of gear grinding operation**
 - Built ML models for gear grinding operation to predict gear quality to reduce end-of-line test failures.
- **Vehicle Field Data Analytics**
 - Build end-to-end data traceability pipeline & correlation for power transmission. Here, manufacturing data and field data from OEM is considered for analysis.
- **Sentiment Analysis, Topic modelling and Text summarization of survey data and Automobile news.**
 - Sentiment analysis of text feedback in survey data is used for continuous improvement in service across various functional areas and geographical regions. This service was utilized in dashboard of survey data.
 - To make informed business decisions, the subjective information from the text is extracted using sentiment analysis, topic modelling and summary reports from the news that gets publish every day on Automobile news.

Freelance Projects

- "Computationally Efficient vehicle speed measurement" to Konnet-Vian Pvt. Ltd. 2016.
- "Application development of OT suite" to Ms. PRIDEX Medicare Pvt. Ltd. 2017.
- "Broken Character Recognition in ANPR" to Konnet-Vian Pvt. Ltd. 2017
- "CPSI Detection" to BitWise Technologies. 2018
- "Computationally efficient Arabic character recognition" to Konnet-ViAn Pvt. Ltd. 2017
- "Face Recognition in Surveillance Systems" to Konnet-ViAn Pvt. Ltd. 2017.

Languages

English - Fully Professional Proficiency

Hindi - Fully Professional Proficiency

Marathi - Fully Professional Proficiency

Interests

Trekking

Watching TV series

Outdoor Games

Reading