SHREEYA KOKATE

+1 (917) 573-3655 | shreeya.csai@gmail.com | shreeyakokate.com | Linkedin | GitHub | New Jersey, USA

EDUCATION

Stevens Institute of Technology, New Jersey USA   **December 2022 (expected)**
Master of Science in **Machine Learning**
Courses: Machine Learning Fundamentals, Deep Learning, Natural Language Processing, Applied ML, Pattern Recognition & Classification, Web Mining, Knowledge Discovery & Data Mining, Cognitive Computing

University of Mumbai, India   **August 2017 – June 2021**
Bachelor of Engineering in Information Technology, **GPA: 7.92/10**

SKILLS

Programming Languages – Python, R, Java, C, C++
Frameworks/Tools – NumPy, Pandas, NLTK, Matplotlib, TensorFlow, PyTorch, GitHub, Dialogflow
Database, Cloud – MySQL, AWS
Soft Skills – Team Management, Quick Learner, Good Communicator, Focused, Punctual

WORK EXPERIENCE

Stevens Institute of Technology, *Research Assistant*   **February 2022 – Present**
- Working on improving the accuracy and quality of explanations of predictions made by AI systems for healthcare data using Situation Analytics by enhancing the architecture of Explainable AI techniques. The aim is to increase the trustworthiness and transparency, understandability and interpretability of AI models for the medical practitioners.

HushTech AI, *Co-founder*   **June 2019 – August 2021**
- Delivered turnkey projects on automating customer interactions, marketing and lead generation using conversational technology in the form of omnichannel messenger chatbots powered by Natural Language Processing
- Self-learned development of advanced chatbots, conducted extensive market research and comparative analysis of the industry

Omdena, *Junior Machine Learning Engineer*   **June 2020 – August 2020**
- Collaborated with a team of 57 AI practitioners all around the globe and was featured in Foundation Botnar's article
- Contributed to a 30% of data collection from Twitter and Instagram platform to perform Exploratory Data Analysis – Related work
- Implemented LDA Topic Modelling, LSTMs for sentiment analysis, multi-label classifiers & NLP BERT models to understand sentiments and identify affective patterns which will be used by the organization to improve our youth's health & wellbeing

Datamatics Global Services Ltd, *Project Trainee*   **June 2019 – August 2019**
- Generated meaningful dashboards with Business Intelligence tool (TruBI) and worked on AWS Cloud Services
- Studied ML algorithms that are used to build the BI tool – Descriptive Analysis, Regression Models, Classification, Time Series, Clustering, Decision Tree

Matra Technologies, *Chatbot Development Intern*   **March 2019 – April 2019**
- Designed interactive flow of conversational AI after extensive research on available technologies and developed a functional role-based chatbot to register users for a women's healthcare project incubated at IIT Bombay

Inverted Sense, *Chatbot Development Intern*   **December 2018 – April 2019**
- Developed chatbots by designing, building, and testing bots for real clients & mentored new interns
- Achieved lead conversions by developing an upselling feature and in-built shopping cart

PROJECTS

Name Entity Recognition
- A model which identifies an entity and then categorizes the entity into the most suitable class

Contextual Topic Modeling
- Implemented CTM using BERT and then tried to optimize it using cross-lingual zero-shot topic model (**ZeroShotTM**).

Spam Email Detection
- Applied BERT algorithm to the model to automatically learn and classify emails between spam/ham

Object Detection
- Designed a system that detects objects in media formats as images, videos & live videos
- Used OpenCV Python & YOLO v3 algorithm and obtained an accuracy of 88%

RESEARCH WORK

An Approach to Education: Improvements using Image Animation for Deepfakes, International Research Journal of Engineering and Technology (IRJET 2021); Shreeya Kokate, Hriday Hegde et al. [Paper Link]

LEADERSHIP

GirlsConnect, *Founder*   **June 2020 – Present**
Curated training sessions with challenges for a community of 160 women technologists to improve overall development

Open Mined, *Community Mentor*   **April 2020 – June 2020**
Evaluating, supervising, and tutoring new mentees in open-source contribution & help advance their unique skills

Google Developers Student Club, *DSC Core*   **September 2019 – September 2020**
Upskilled students as a GCP Facilitator & Explore ML Facilitator & co-organized workshops on GCP Crash Course, Data Science, etc.

GirlScript Mumbai, *Campus Ambassador*   **August 2019 – August 2020**
Trained 300+ students on Machine Learning and how extra curriculars impact personal and professional development by conducting workshops. Also encouraging women involvement in the technical sector to promote gender equality.

CodeChef - CodeStrike, *Core Committee*   **February 2018 – August 2020**
Co-ordinated study sessions on iOS App Development in the college campus for students and provided guidance.

Paradigm of Life, *Lead*   **July 2017 – June 2018**
Contributed as Backstage Coordinator and participated in activities like group discussions, mock interviews, presentations, brainstorming sessions, etc.

ACHIEVEMENTS

- **Grace Hopper Celebration India (GHCI'20) Student Scholarship** recipient
- **Udacity Technology Bertelsmann Scholarship Recipient 2019**, Artificial Intelligence Foundation Track
- **Google GCP Quest Leader** in Data Engineering - #GCPChamp

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CERTIFICATIONS

Google QwikLabs: CloudBadges	Data Science Specialization – John Hopkins University, Coursera
• Storage & CDN • Solution Architect – Associate • Security on AWS • Compute & Networking • SysOps Administrator – Associate • Deployment & Management • Databases for AWS for Windows • Big Data on AWS	• Data Scientist's Toolkit • R Programming • Getting and Cleaning Data • Exploratory Data Analysis • Reproducible Research • Statistical Inference