

**Utsavi Jiten Visaria**  
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## Education

### **K.J. Somaiya College of Engineering - Mumbai University**

Bachelor of Technology – Computer Engineering | CGPA: 8.97/10

Mumbai, India

August 2023

*Selected Coursework: Machine Learning, Artificial Intelligence, Data Structures, Advanced Algorithms, Computer Vision, Speech and Language Processing, Reinforcement Learning, Data Science, Deep Learning and Fuzzy Logic*

### **Pace Junior College**

Joint Entrance Exam (JEE) Mains | Percentile: 96%

Mumbai, India

April 2019

Maharashtra Health and Technical Common Entrance Test (MHT-CET) | Percentile: 97%

April 2019

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## Experience

### **JPMorgan Chase & Co.**

*Software Engineer – I*

Mumbai, India

August 2023-Present

- Led the migration of the Commercial Customer Assist (CCA) application to Gaia Kubernetes Platform (GKP).
- Developed and enhanced React and Spring Boot applications as well as understood Jenkins pipeline architecture.
- Active member of the 'Women On The Move' society, fostering a supportive community for female employees globally.
- Active member of the 'Ignite' society, promoting knowledge sharing to collaborate and contribute beyond deadlines.

### **Eilant Advisors LLP**

*Research Analyst Intern*

Bengaluru, India

June 2022 – November 2022

- Demonstrated expertise in ServiceNow's suite, conducted a comprehensive comparative analysis, and led engaging presentations on strategic Snowflake implementation.

### **K.J.Somaiya College of Engineering – Machine Learning and IoT Lab**

*Machine Learning Intern*

Mumbai, India

January 2022-May 2022

- Contributed to the 'COMRADE' project for COVID-19 treatment optimization, developing an algorithm to predict active cases, health statuses and available medical resources.

### **Arcon TechSolutions**

*Project Training in Service Assurance Intern*

Mumbai, India

May 2021 – July 2021

- Designed and implemented a tailored automated login and Google search system using the .NET framework, ensuring code integrity through unit testing in C#.

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## Projects

### **CollegeBloc**

K.J.Somaiya College of Engineering

May 2023

- Created a MERN (MongoDB, Express.js, React, Node.js) application.
- Integrated Blockchain and Ethereum smart contracts to enhance secure certificate management and access control.
- Leveraged the InterPlanetary File System (IPFS) for decentralized identity and secure document storage and retrieval.

### **Smart Vision Glasses for visually impaired persons**

K.J.Somaiya College of Engineering

December 2022

- Implemented optical character recognition and text-to-speech.
- Implemented an EfficientDet-Lite4 model for Indian currency recognition.
- Implemented object detection using SSD MobileNet V2 with depth mapping for alerts on potentially hazardous objects.

### **Detection of Toxic and Fake Tweets on Twitter**

K.J.Somaiya College of Engineering

May 2022

- Conducted in-depth tweet analysis using BeautifulSoup.
- Implemented an LSTM-based model for fake tweet detection and a CNN-based model for toxicity detection.
- Developed a Chrome Extension for fake tweets detection analysis.

### **Music Genre Classification**

K.J.Somaiya College of Engineering

December 2021

- Implemented a Recurrent Neural Network model using Keras for audio-related tasks.
- Conducted feature extraction on the GTZAN dataset, transforming audio files into Mel-frequency cepstral coefficients.
- Implemented softmax activation for multi-class classification and fine-tuning to enhance performance.

### **Face Recognition and Detection of students for Attendance**

K.J.Somaiya College of Engineering

May 2021

- Implemented OpenCV for 3D model extraction, face detection and recognition.
  - Trained LBP and HAAR classifiers on positive and negative images for accurate image classification.
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## **Publications**

- Utsavi Visaria, Riya Gori & Rohini Nair. 'Applications of Machine Learning and IoT in Smart Farming.' *Distributed in International Journal of Scientific & Engineering Research (ISSN 2229-5518), August 2022*
  - Utsavi Visaria, Dhairya Shah and Zaheed Shaikh 'CollegeBloc: Secure document storage for educational institutes and recruiter systems using blockchain.' *Accepted for publication in the 6th IEEE International Conference on Advances in Science and Technology, 2023.*
  - Utsavi Visaria, Dishant Padalia, Dr.Deepak Sharma. 'Smart Vision Glasses for the visually impaired persons.' *Accepted for publication in the 6th IEEE International Conference on Advances in Science and Technology, 2023.*
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## **Skills**

**Programming languages:** Java, Javascript, SQL, Typescript, Python, C#, C++

**Frameworks:** React, Spring Framework, .NET, Flask, TensorFlow, PyTorch, Django, Express, Scikit-learn, Keras, Apache Spark

**Computing Environment:** Windows, Linux, Raspberry Pi, Arduino, IOS

**Other Tools:** Git, IntelliJ, Notepad++, Maven, PIP, Jenkins, Chrome DevTools, Swagger UI, Microsoft SQLServer, Postman

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## **Certifications**

- Deep Learning Specialization - DeepLearning.AI
    1. Neural Networks and Deep Learning
    2. Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
    3. Structuring Machine Learning Projects
    4. Convolutional Neural Networks
    5. Sequence Models
  - AWS Certified Cloud Practitioner
  - AWS Certified Machine Learning Specialty
  - AWS Certified Developer Associate
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## **Activities**

### **Hackathons**

- Won the 'Best Open Innovation' award in Electrathon, 2021 organized by NIT Hamirpur.
- Qualified for Smart India Hackathon, 2022 semi-finals with an Advanced Ambulance Management System.
- Ranked among India's top 100 teams in Google Hash Code, 2021.

### **Leadership and Management Roles**

- Organizing Committee Coordinator and Marketing Executive for the K.J. Somaiya College of Engineering's technical and cultural festivals, securing notable speakers like Mr. Satheesh Reddy, Chief of Defense Research and Development Organization (DRDO), India as well as organizing performances by renowned artists such as Mr. Benny Dayal.
- Demonstrated leadership as Sports Secretary for K.J.Somaiya College of Engineering, coordinating 14 sports events, managing logistics, and attracting 80+ colleges for nationwide participation.
- Led and hosted the annual Frank Anthony's debate competition as the Head Girl at P.G.Garodia School.

### **Sports**

- Captain of Maharashtra State Basketball Team and Mumbai University Team in Senior National Basketball Championship.
- Drafted in the Top 20 to represent Team India in Basketball U-16 FIBA, 2015.
- Secured first place in district-level gymnastics competition, 2015.

### **Social Service**

- Volunteer for CRY's National Girl Child Campaign, actively promoting girls' empowerment through awareness initiatives.
  - Member of RHA Society, Mumbai Chapter, dedicated to distributing surplus food for community welfare.
  - Volunteer at Anjeze Charitable Trust, facilitating medical equipment procurement, organizing fundraisers for supporting young cancer survivors on their recovery journey.
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## **Honors**

- Best Project Award for 'Smart Vision Glasses' at K.J.Somaiya College of Engineering in May 2023.
- Awarded Best Female Athlete at K.J.Somaiya College of Engineering in December 2019 and December 2022.
- Achieved a Centum in Computer Applications from the ICSE Board of Examinations in 2017.
- Awarded 'The Best Pupil of the year' at P.G.Garodia School for the academic year 2016-2017.
- Awarded Fastest Runner at P.G.Garodia School for consecutive years from 2014 to 2016.