

Kaustubh Valanjuwani

Maharashtra, Navi Mumbai 410206

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Aspiring AI & Data Science Engineer with hands-on experience in Machine Learning, Computer Vision, Generative AI, Cloud Computing, and Full-Stack Development. Skilled in Python, Java, SQL, AWS, and ABAP, with experience building AI-powered solutions such as an AI Interview System and a Real-Time Driver Drowsiness Detection System. Published an IEEE research paper in Computer Vision and passionate about developing intelligent, scalable, and data-driven applications that solve real-world problems

Personal Details

Eligible to work in: India

Highest Career Level: Fresher

Industry: Analytics, IT Operations & Helpdesk, KPO, Research, Analytics, Software Development

Total years of experience: 0

Education

Artificial intelligence and data science (B.Tech/B.E.)

Ramrao Adik Institute of technology-Navi Mumbai, Maharashtra

Full-time | August 2023 to Present

Scored: 8.35

- Built an AI Interview System to simulate technical interviews and provide intelligent feedback.
- Developed a Real-Time Driver Drowsiness Detection System using AI and computer vision.
- Published an IEEE research paper on the Driver Drowsiness Detection System.
- Have hands on experience in Python, Java, AI/ML, AWS, OpenCV, SAP -ABAP and Data Engineering

12th Pass

Ryan international school-Maharashtra, Panvel

CBSE | English medium

Passing year: 2023 | Scored: 69

10th Pass

DAV public school-Maharashtra, Navi Mumbai

CBSE | English medium

Passing year: 2021 | Scored: 81.2

Skills / IT Skills

- Azure
- AWS
- CI/CD PIPELINE
- Pandas

- Machine learning
- Java
- Adtech
- Mlops
- AIML
- SQL
- SAP
- Bedrock
- Eclipse IDE (ADT)
- Software engineering
- Python
- Pytorch
- ABAP
- Data engineering
- Leadership
- Tensorflow
- RAG
- Streamlit
- Numpy
- AI

Languages

- Marathi - Native
- English - Fluent
- Japanese - Beginner
- Gujarati - Intermediate
- Hindi - Fluent

Online Profile

https://www.linkedin.com/in/kaustubh-valanjuwani-498007284?utm_source=share_via&utm_content=profile&utm_medium=member_android

<https://github.com/charlie00769>

<https://www.codechef.com/users/charlie00769>

https://leetcode.com/u/Kaustubh_Valanjuwani/

Certifications and Licenses

Data Analytics Job Simulation - Quantum

July 2025 to Present

Completed Quantum's Data Analytics Job Simulation on Forage, gaining hands-on experience in data preparation, customer analytics, experimentation and uplift testing, and applying data-driven insights to solve real-world business problems.

Operations Job Simulation - Goldman Sachs

June 2025 to Present

Completed Goldman Sachs' Operations Job Simulation on Forage, gaining practical experience in operations management, transaction processing, and supporting ultra-high-net-worth client transactions while developing analytical and problem-solving skills

GenAI Powered Data Analytics Job Simulation - Tata

June 2025 to Present

Completed Tata's GenAI Powered Data Analytics Job Simulation on Forage, gaining hands-on experience in exploratory data analysis, risk profiling, AI-powered prediction, data storytelling, and implementing AI-driven analytics solutions.

Data Analytics Job Simulation - Deloitte

June 2025 to Present

Completed Deloitte's Data Analytics Job Simulation on Forage, gaining hands-on experience in data analysis, forensic technology, data interpretation, and solving real-world business problems using analytical thinking.

GenAI application with python

April 2025 to Present

Successfully completed IBM's "Developing Generative AI Applications with Python" course on edX, gaining hands-on experience in building Generative AI applications using Python, prompt engineering, LLM integration, and AI application development.

SAP ABAP BACKEND DEVELOPER

July 2026 to July 2027

SAP Certified – Back-End Developer – ABAP Cloud (2026)

Demonstrated proficiency in ABAP Cloud, ABAP RESTful Application Programming Model (RAP), CDS Views, SAP S/4HANA Extensions, and Clean Core development principles.

NGO, Non-Profit / Student Organizations

Logistics head in Social wing of RAIT

August 2025 to May 2026

Projects / Papers Presented

An Efficient Vision-Based Drowsiness Detection System Using HOG and 68-Point Landmark System

<https://ieeexplore.ieee.org/abstract/document/11437470>

March 2026

Developed a real-time AI-based Driver Drowsiness Detection System to enhance road safety by detecting driver fatigue and abnormal head posture. The system utilizes a webcam, Dlib's HOG face detector, and a pre-trained 68-point facial landmark model to extract facial features. Eye Aspect Ratio (EAR) and head orientation are analyzed to classify driver states as active, drowsy, or asleep. A state-based detection

mechanism ensures reliable monitoring and triggers visual and audible alerts upon detecting drowsiness or excessive head tilt. The solution demonstrated high accuracy and robustness across varying lighting conditions, offering a cost-effective driver monitoring system for Advanced Driver Assistance Systems (ADAS).