

OBAID TAHER TAMBOLI | He/Him

BS Data Science Engineering

Indian Institute of Science Education and Research,

Bhopal

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 LinkedIn

 Github

Education

- **Indian Institute Of Science Education And Research, Bhopal** Bhopal, India
BS Engineering Science 2020 - Present
 - Current CPI **8.02**
- **Poona College of Arts, Science and Commerce, Camp-01** Pune, India
Higher Secondary Certificate Passed 2020
 - Passed with **84%**
- **The Bishop's Co-Ed School, Undri** Pune, India
Indian Certificate of Secondary Education Passed 2018
 - Passed with **92.4%**

Personal Statement

A dedicated Data Science Engineering student passionate about Natural Language Processing, Machine Learning, and Chatbots. Proficient in Python/Django/Flask, Machine Learning, and full-stack web development. Excited about NLP with HuggingFace, Transformers, spaCy, Keras, TensorFlow, Scikit-Learn, numpy, and pandas to create innovative solutions. I am collaborative, a fast learner, and an effective communicator. With an 8.0/10.0 GPA, I aim to make a significant impact in the tech industry.

Work Experience

- **AI/ML Developer Intern** May, 2023- Aug, 2023
Respirer Living Sciences Pvt. Ltd Pune, India
 - Contributed significantly to the National Clean Air Program (NCAP) initiative by devising innovative methodologies for ranking cities based on air pollution levels and proposing targeted enhancement strategies.
 - Leveraged advanced machine learning and data science techniques to construct highly effective models, enabling the comprehensive analysis of data gathered from diverse sensors.
 - Utilized cutting-edge Explainable Machine Learning (XAI) techniques such as Shapley values and Partial Dependence Plots (PDP) to extract actionable insights from complex datasets. Additionally, enhanced the precision of NO2 and CO sensor models, thus ensuring the delivery of accurate air pollution data.
 - Collaborated seamlessly with experienced mentors, accomplished colleagues, and subject matter experts, thereby making significant contributions to environmental sustainability and acquiring invaluable real-world experience.

- Facilitated the development of an API that harnessed sensor data, extending the reach of the program's impact and emphasizing my commitment to innovative problem-solving.
- Acquired proficiencies in Air Pollution analysis, Data Modeling, Machine Learning methodologies, Python programming, effective communication, Explainable Machine Learning (XAI) techniques, MongoDB, and SHAP (SHapley Additive exPlanations).

- **Web Development Intern** May, 2022- Jul, 2022
Campus Automation Solution, IISER Bhopal *Bhopal, India*

- Designed and implemented Web CRM services for IISER, Bhopal, as a Web Development Intern.
- Led frontend UI design using Bootstrap and jQuery to ensure an intuitive user interface.
- Spearheaded backend development with JSP and Spring Boot (JAVA) to enhance functionality.
- Integrated database management systems for seamless data flow between website and database.
- Gained insights into industry practices, team dynamics, and project management.
- Solidified commitment to a software development career through this experience.
- Acquired skills in Bootstrap, jQuery, SQL, Spring Boot, Java, JSP, PostgreSQL, and database management.
- Developed effective communication, collaboration, and teamwork skills.

- **Research Project Intern** Jan, 2022- Apr, 2022
Dr. Haroon Rashid Lone *Bhopal, India*

*Assistant Professor
 Dept. Of Electric Engineering And Computer Science
 IISER Bhopal*

- Classroom Sensing Project: Implemented non-invasive methods to monitor students' attention in classrooms, employing diverse sensors such as cameras and skin conductance for data collection.
- Utilized machine learning techniques to analyze the collected data, gaining valuable insights.

- **Marketing Intern** June, 2021- Oct, 2021
IndiaZakat *Pune, India*

- Raising Causes of Needy Students
- Promoting Causes(Social Media Marketing)
- Getting In touch with NGOs

Position of Responsibility

- **Teaching Assistant** Fall 2023
Data Science in Practice Course, IISER Bhopal *Bhopal, India*

- Assisted in conducting labs, guiding students in practically implementing data science concepts and techniques.
- Provided valuable insights and feedback to students, facilitating their understanding of complex data analysis methods.
- Contributed to creating an engaging and interactive learning environment, fostering students' enthusiasm for data science.

- **Prefect**
The Bishop's Co-Ed School, Undri

2018 - 2020
Pune, India

- Served as a prefect, developing strong leadership, interpersonal, and organizational skills.
- Facilitated communication between students, teachers, and school administration, nurturing effective teamwork.
- Demonstrated a commitment to fostering empathy, compassion, and a positive school environment.

Awards, Grants & Honours

Inter College State Level Mathematics Competition Std. 11-12 (Winner)	2019
Excellence in ICSE Examination	2018
Top Hundred Best Students, Pune	2015
SSB Interview (Conference Out-NSB Visakhapatnam)	2021

Skills

- Programming and Markup Languages
 - Python
 - Java, C
 - CSS, HTML, JavaScript
 - R
- Machine Learning and Data Science
 - Natural Language Processing (NLP)
 - Deep Learning
 - HuggingFace Transformers
 - Scikit-Learn, TensorFlow, Keras
 - Numpy, Pandas, Matplotlib
- Software and Tools
 - MS Access, MS Excel, MS Word, MS PowerPoint
 - Weights and Bais(WandAI), H2O.ai
 - MatLab
 - Jupyter Notebooks
- Hobbies
 - Reading
 - Cricket
 - Debating
- Soft Skills
 - Strong analytical and problem-solving skills
 - Effective communication and Team collaboration
 - Time management